

Report on the Regional Coordinating Unit (RCU) on the progress in the implementation of the Northwest Pacific Action Plan (NOWPAP)

1. Explanatory note

1.1. Introduction

1. This report on the implementation of NOWPAP activities covers the period since 11 September 2019 to 10 August 2021.

2. The current NOWPAP Programme of Work 2020-2021 was approved on May 18, 2020, by all Member States following multi-round consultations by email (UNEP/NOWPAP IG. EO3/12). This procedure had been approved by all four Member States due to the impossibility to organise a face-to-face discussion caused by travelling restrictions introduced by all four NOWPAP Member States following the outbreak of COVID-19 coronavirus.

1.2. Special Monitoring and Coastal Environmental Assessment Regional Activity Center (CEARAC)

3. The total approved CEARAC budget is USD185,000 for 2020-2021. The budget proposal explained in the document (UNEP/NOWPAP IG. EO3/4-1) presents a detailed overview of the activities planned. In addition to the regular CEARAC activities, such as the organization of the Focal Point Meetings, the following actions are proposed:

- 1) Assessment of tidal flats and salt marshes distribution in the NOWPAP region
- 2) Organization of a training course on eDNA analysis
- 3) Updating information on HAB database and HAB Reference Database
- 4) Conducting case studies on estimating seagrass blue carbon in selected sea areas in the NOWPAP region
- 5) Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for the assessment and monitoring of eutrophication using satellite chlorophyll-a
- 6) Organization of the Fifth NOWPAP Training Course on Remote Sensing Data Analysis.

1.3. Data and Information Networking Regional Activity Center (DINRAC)

4. The total approved **DINRAC** budget is USD185,000. The budget proposal is explained in the document (UNEP/NOWPAP IG. EO3/4-2). During 2020-2021, DINRAC will continue its regular activities, including organizing Focal Point Meetings and updating and supplementing existing databases, as well as managing the Northwest Pacific Regional Node of the Global Partnership on Marine Litter. The following activities were proposed for 2020-2021:

- 1) An annual Summary of Major Marine Environmental Data available in the Member States, which is an essential routine work for DINRAC
- 2) A collection of Data and Information on Endangered Species Filed in the Red Lists of the NOWPAP Member States (3rd Stage is 2020-2021), which will continue until 2028,

- 3) An expert meeting and a brainstorming workshop for future directions of DINRAC.

1.4. Marine Environmental Emergency Preparedness and Response Regional Activity Center (MERRAC)

5. The total approved **MERRAC** budget is USD185,000. The budget proposal is included in the document (UNEP/NOWPAP IG. EO3/4-3). MERRAC will utilize these resources on organizing Focal Point and National Competent Authorities meetings, as well as to support specific activities to strengthen regional cooperation, including closer collaboration with IMO. The Focal Points of MERRAC proposed the following activities for the 2020-2021 biennium:

- 1) An assessment of the implementation of the International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC Convention) and OPRC-HNS Protocol in the NOWPAP region,
- 2) The identification of activities to strengthen regional cooperation on the implementation of the International Convention for the Prevention of Pollution from Ships (MARPOL) under NOWPAP MERRAC framework (e.g., oil-waste discharge from ships, fuel-oil quality, others),
- 3) The development of response options for potential condensate spills in the context of updating the NOWPAP MERRAC Regional Report on HNS Preparedness and Response (2012),
- 4) The development of a MERRAC Strategic Plan for Better Implementation of Regional Cooperation on Marine Pollution Preparedness and Response through the establishment of expert groups on specific issues such as an oil finger-print, oil spill modeling, emergency salvages, others.

1.5. Pollution Monitoring Regional Activity Center (POMRAC)

6. The total approved **POMRAC** budget for 2020-2021 is USD185,000. The budget proposal is explained in the document (UNEP/NOWPAP IG. EO3/4-4). Resources are requested to organize Focal Point Meetings and several communication activities. The 16th POMRAC Focal Points Meeting (30-31 October 2019) agreed on the following activities for 2020-2021:

- 1) The development of regional NOWPAP EcoQO targets aligned with SDG indicators (Phase 2);
- 2) The preparation of the Third State of Marine Environment Report SOMER-3, and
- 3) a Proposal of the Project "Microplastics Abundance in River Runoff of the NOWPAP Region."

1.6. Regional Action Plan on Marine Litter (RAP MALI)

7. The total approved **RAP MALI** budget is USD 111,000. The 2019 Marine Litter Focal Point Meeting agreed to focus on the revision of the NOWPAP Regional Action Plan on Marine Litter in 2020-2021 and to maintain the operation of the Regional Node of the GPML.

1.7. Regional Coordination Unit (RCU)

8. RCU budget is targeted to support the operation of the RCU offices, public awareness and communications activities, resource mobilization and coordination of RACs. RCU will continue

strengthening regional partnerships., Special attention needs to be paid to the completion of the Regional Action Plan for Marine and Coastal Biodiversity Conservation (RAP BIO). In addition to RAP BIO, more work is required to complete the NOWPAP Communication Strategy, as the current version is inadequately addressing such issues as Stakeholder Analysis, NOWPAP internal communications, and a number of other aspects. Also, two audit and evaluation activities are being proposed, namely: an internal audit to be implemented by RCU in coordination with UNEP Headquarters, and a review of Special Projects.

9. A breakdown of RCU-coordinated activities in 2020-2021, as well as the overall biennial budget of the NOWPAP Regional Activity Centers, are presented in Table 1 below.

Table 1. NOWPAP Work Plan and Budget (Thousand USD) for 2020-2021

RACs/Projects/Activities	Approved Budget for 2020-2021, thousand US\$
CEARAC	185
DINRAC	185
MERRAC	185
POMRAC	185
RAP MALI	111
Communication Activities and Public Awareness (RCU)	38
- Coordination of RACs (RCU) - Implementation of NOWPAP (RCU)	104
RCU Operation (RCU)	50
Resource Mobilization (RCU)	27
Contribution to the development of MPAs network	10
NOWPAP Special Projects / Initiatives	-
Preparation of RAP BIO	30
Communications Strategy Development	15
Internal Audit	5
Evaluation of Special Projects (Review)	10
Sub-total	1,140
13% of the sub-total as Programme Support Cost	160
TOTAL	1,300

2. Overall Assessment of the Progress

10. Highlights of the key activities are presented in Section 4 below, whereas a detailed reporting on each activity and the progress made in Q2-2021 are presented in 5.1.

11. An overview and the status of legal instruments (agreements) with RACs are presented in Annex 2.

12. The NOWPAP PoW 2020-2021 includes the following five Priority Areas:

- 1) Priority Area 1 – “Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM)”
- 2) Priority Area 2 – “Assess the Status of the Marine and Coastal Environment”
- 3) Priority Area 3 – “Prevent and Reduce Land- and Sea-Based Pollution”
- 4) Priority Area 4 – “Conserve Marine and Coastal Biodiversity”
- 5) Strengthening regional cooperation through partnership building and resource mobilization.

13. Overall, almost all activities of PoW 2020-2021 started, totalling 81 (same as in Q1-2021) of 86¹ (94%) (**Figure 1**). Despite a slower start of activities caused due to the delayed approval of PoW, in its turn, as well as by the COVID-19 pandemic, a major part of activities, whenever possible, have been expedited. However, several activities will still be further delayed or cancelled (e.g., ICC in Russia 2020 was cancelled, ICC in Japan 2021, face to face Focal Points meetings, etc.) due to restrictions introduced by the governments in relation to the COVID-19 pandemic. In this situation, when the number of new infections with COVID-19 in some of the NOWPAP Member States are growing, still several activities for 2021 have not been confirmed.

14. By the end of Q2-2021, the estimated progress achieved by all NOWPAP bodies had reached 55% in comparison with Q1-2021 being 44% and with Q4-2020 being 32% (**Figure 1**).

15. A summary and the dynamics of the progress of NOWPAP in the implementation of PoW 2020-2021 is presented in **Figure 1** below.

16. Amongst the five Priority Areas of the NOWPAP PoW, the least progress has been achieved so far in Priority Area 4 - Conserve Marine and Coastal Biodiversity and Priority Area 1 - Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM): 26% and 29% accordingly (23% and 21% in Q1-2021), whereas the highest progress was reported for Priority Area 2. Assess the Status of the Marine and Coastal Environment – 52% (44% in Q4-2020). A more detailed comparative presentation of the progress of individual Priority Areas is presented in **Figure 2** and **Table 1** below.

¹ In the previous reports, 88 activities were referred to as the total number of activities in the NOWPAP PoW 2020-2021. However, following a request from MERRAC, 3 activities under POW item 3.1.1 “Identification of regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework” were combined into one activity on the development of a regional report through case studies. Following this change, the total number of activities was reduced respectively to 86. Therefore, all estimates have been adjusted accordingly.

17. A detailed presentation of each individual Priority Area is presented in Annex 2.

Figure 1 Estimated Progress of NOWPAP in Q2-2021

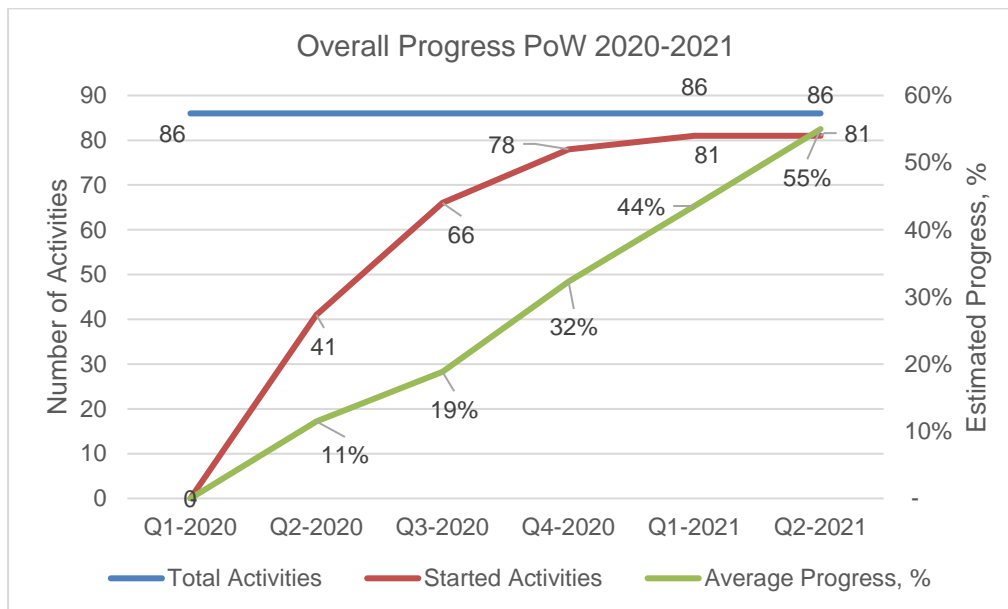


Figure 2 Comparative Progress of Priority Areas

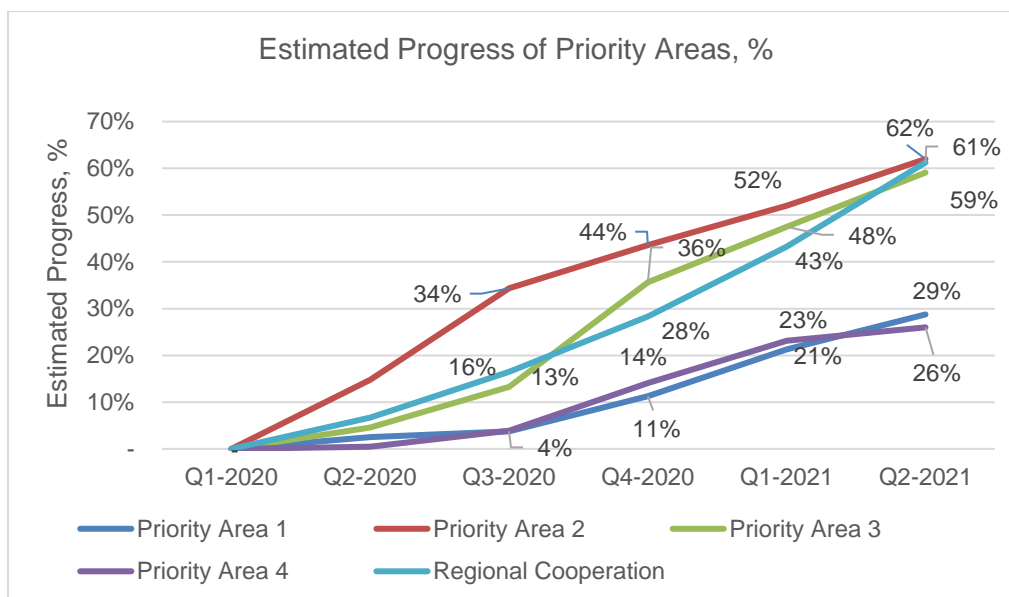


Table 2 Progress of Individual Priority Areas

Priority Areas	2020				2021	
	Q1	Q2	Q3	Q4	Q1	Q2
Priority Area 1	N/A	2.5%	3.8%	11.3%	21.3%	28.8%
Priority Area 2	N/A	14.8%	36.2%	43.6%	52.0%	62.0%
Priority Area 3	N/A	3.8%	11.1%	37.3%	47.5%	59.1%
Priority Area 4	N/A	0.5%	3.9%	14.1%	23.1%	26.0%
Regional Cooperation	N/A	6.7%	16.5%	27.9%	43.2%	61.3%
PoW 2020-2021	N/A	11.2%	18.9%	33.7%	43.5%	55.0%

3. Financial Report of Implementation of PoW 2020-2021

18. As presented in Table 1, the total budget for the NOWPAP PoW 2020-2021 is USD1.3M.

19. Actual expenditures of NOWPAP for the implementation of PoW 2020-2021 are reported expectedly lower than originally planned. This estimate is explained by the delays caused by the COVID-19 pandemic. Many activities requiring the participation of experts in person have been either converted to a virtual online format (e.g., regular meetings, including meetings organised by RACs) or cancelled (e.g., ICC 2020 in Russia), which caused a significant portion of the related planned budget has not been utilised, especially that requiring international travelling.

20. However, RCU and RACs are coordinating the implementation of activities, which could be implemented with the account of the restrictions caused by the pandemic, in an expedited manner. Several consultancy contracts either have been or are being prepared and several legal instruments with RACs and other partners. An overview of the committed funds (including actual expenditures and committed through the contract's funds) is presented in **Table 3** below. A detailed presentation of the implementation status of SSFAs/PCAs concluded within PoW 2020-2021 is presented in Annex 2.

Table 3 Overview of NOWPAP Financial Commitments for PoW 2020-2021

Class FT30_CLASS	NOWPAP Trust Fund (40PNL)					
	BUDGET: 2020-2021		Commitment/Expenditure in 2020-2021			
	Description	Budget	2020	2021	Total	Balance
_160	Travel	146,000	3,097	2,949 ²	6,047	139,953
_120	Contractual Services	183,500	11,443	579	12,022	171,478
_125	Operating & Other Direct Costs	34,000				34,000
_130	Supplies Commodities & Materials	16,500	984	155	1,139	15,361
_135	Equipment, Vehicles & Furnitures	20,000				20,000
_140	Transfer/Grant to IP	740,000	770,000 ³			-40,000
_155	Project Support Costs ⁴	160,000	102,122			57,878
Grand Total		1,300,000	887,646	3,684	891,330	408,670
			68%	0%	69%	31%

² This mission was carried out in the end of 2019, however, recorded for 2021 by HQs.

³ The difference is related to the funds transfer to CRAES for the Special Project on Microplastics (PoW 2018-2019) as due to an issue with the Beneficiary Name in the system, the first transfer never reached accounts of CRAES in 2019. After the transfer was re-called, the funds were received in 2020.

⁴ PSC – 13%.

4. Highlights of Achievements from 11 September 2019 to 10 August 2021

21. The key highlight of achievements of NOWPAP include:

4.1. UNEP Headquarters

22. RCU regularly attended the Ecosystems Integration Branch meetings, as well as a regular meeting of the UNEP Regional Seas Programme Coordinators (monthly).

23. NOWPAP team contributed to a series of strategic papers and documents developed by UNEP HQs, including Regional Seas Programmes Strategic Directions, UNEP Mid-Term Strategy 2022-2025, as well as other documents.

24. In Q2-2021 significant staff changes were observed in UNEP HQ in the Ecosystems Integration Branch of the Ecosystems Division, as well as in the Regional Seas Programmes and Action Plans, to which NOWPAP belongs. Specifically, Coordinators of UNEP/MAP (the Mediterranean) and COBSEA (the Seas of East Asia) have been changed:

- 1) UNEP/MAP – New Coordinator – Mrs. Tatjana Hema (permanent)
- 2) COBSEA – New Coordinator – Mr. Mahesh Pradhan (interim).

25. UNEP is introducing a new corporate solution within UMOJA – the Integrated Planning, Management and Reporting (IPMR) module. By integrating Umoja modules such as Strategic Management, Budget Formulation and Project System, the Integrated Planning, Management and Reporting solution offers a holistic, end-to-end solution to manage the lifecycle of UNEP programmes and projects.

26. This development will have a direct impact on NOWPAP, as NOWPAP project has been converted to IPMR. In Q2-2021, NOWPAP staff have gone through a mandatory training, and a final structure of NOWPAP in IPMR was being prepared to be finalized in Q3-2021. NOWPAP Staff is being supported by colleagues from the Ecosystems Division in UNEP HQs to ensure a smooth transition of the NOWPAP project to IPMR.

4.2. Regional Coordination Unit

27. The 3rd Extraordinary NOWPAP IGM was organized on January 27, 2021. It was attended by the governmental officials, researchers from the region, RACs, UNEP, including several UNEP-administered Regional Seas Programmes and Action Plans, and the Partnerships in Environmental Management for the Seas of East Asia (PEMSEA). The meeting reviewed the progress of implementing the Northwest Pacific Action Plan and discussed schedules to complete the Regional Action Plan on Marine and Coastal Biodiversity Conservation, NOWPAP Communication Strategy, promotion video, special projects on microplastic assessment and key indicator species, etc.

28. RCU staff contributed to a number of events organised by UNEP on the development of the Regional Seas Strategic Directions (2022-2025) (RSSD), which are developed to strategically guide the development of the UNEP Regional Seas Programmes and Action Plans. A number of goals and targets of the RSSD.

29. Following the resolutions of the 3rd Extraordinary NOWPAP IGM, RCU developed and circulated amongst the NOWPAP National Focal Points for comments the following ToRs:

- 1) International Consultant: NOWPAP MTS 2018-2023 Mid-Term Review and Revision of the Monitoring and Evaluation Framework (UNEP/NOWPAP 3EO/13, Resolution 6.2) - deadline: June 11, 2021.
- 2) International Consultant: Development of a Positioning Paper on Institutional Analysis of NOWPAP and Operation of Individual RACs (UNEP/NOWPAP 3EO/13, Resolution 7.3) – deadline: July 2, 2021.

Comments received are being processed. After the completion, the process of recruiting of the consultants will start.

30. In line with the resolution of the 3rd Extraordinary NOWPAP IGM (UNEP/NOWPAP 3EO/13, Resolution 4.4), RCU supported the development of a revised Concept of the Special Project “Key Identification of key indicator species and ecosystems of biodiversity change in the NOWPAP region” (See more details in Section 4.9).

31. RCU continued hiring of an international consultant to revise the NOWPAP Communication Strategy and five Promotional Videos (UNEP/NOWPAP 3EO/13, Resolution 5.2). There have been some administrative delays with issuing the contract beyond RCU's control. The contract will be issued in July 2021.

32. In accordance with the Resolution 7 of the 3rd Extraordinary NOWPAP IGM (UNEP/NOWPAP 3EO/13, Resolution 7.4), RCU has developed the first draft of a concept for a NOWPAP Award and sent it to the National Focal Point of Russia for feedback. Feedback is awaited shortly.

33. RCU continued efforts to complete the process to support POMRAC through hiring consultants for POMRAC to implement their activities through the UN system (Annex 6).

34. The Small Scale Funding Agreement (SSFA) for MERRAC QNL 2021 was prepared, duly processed in UNEP's Partners Portal and countersigned on 30 June 2020.

35. The NOWPAP Quarterly Newsletter for Q1-2021 was prepared and circulated in April 2021. The next issue for Q2-2021 is being also prepared to be circulated in July 2021.

36. Seven NOWPAP Quarterly Newsletters were prepared and circulated in this period.

37. RCU identified two international communication consultants to revise the Communication Strategy and the NOWPAP videos. ToR for this contracts have been prepared and approved by UNEP HQ. Sixty two comments were received from the Member States and RACs. RCU has prepared a proposal on how to revise the Strategy and Video.

38. A MoU on future strengthening of cooperation with PEMSEA has been prepared, agreed with PEMSEA and sent to UNEP HQ for further processing.

39. The following web stories were posted on NOWPAP website:

- [Developing a project proposal on conservation of biological diversity in the NOWPAP region](#)
- [Progress Meeting of the development of a Near Real-Time Monitoring System for Marine and Coastal Eutrophication Using Google Earth Engine](#)

- [A virtual Meeting of NOWPAP on the development of State of Marine Environment Report \(SOMER-3\)](#)
- [Cooperating with Chungcheongnam-Do in addressing marine litter](#)
- [Marine Scientists assess seagrass blue carbon in the NOWPAP region](#)
- [Launch of the report "Stronger together: The role of regional instruments in strengthening global governance of marine plastic pollution"](#)
- [NOWPAP attends the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research](#)
- [Governments pledged to enhance cooperation at the Third Extraordinary NOWPAP Intergovernmental Meeting](#)
- [A Courtesy Visit to Governor of Toyama Prefecture, Japan](#)
- [Brainstorming how to Improve Data and Information Sharing in the NOWPAP Region](#)
- NOWPAP and PEMSEA to Renew Bilateral Cooperation
- Extending Cooperation with PICES in the Field of Marine Environmental Quality
- Combatting Marine Plastic Pollution: Possible Roles and Contribution of Regional Instruments in Strengthening Global Governance
- NOWPAP Congratulates the Yellow Sea Large Marine Ecosystem Project on its Achievements
- NOWPAP Assessment Tools Highlighted in 9th Geo for Good Summit
- Enhance the Compatibility between Regional Seas Programmes and the post-2020 Global Biodiversity Framework
- Showcasing NOWPAP's Efforts in Addressing Marine Litter in the Incheon Ocean Forum
- Review the Progress in Addressing Marine Litter in the Northwest Pacific Region
- Brainstorm on the Revision of the NOWPAP Regional Action Plan on Marine Litter .
- <https://www.unenvironment.org/nowpap/news-and-stories/press-release/nowpap-and-pemsea-renew-bilateral-cooperation>
- <https://www.unenvironment.org/nowpap/news-and-stories/press-release/kick-project-develop-monitoring-system-eutrophication-using-google>
- <https://www.unenvironment.org/nowpap/news-and-stories/press-release/enhancing-cooperation-marine-environmental-protection-countries-east>
- <https://www.unenvironment.org/nowpap/news-and-stories/press-release/group-earth-observations-and-google-earth-engine-support-develop>
- <https://www.unenvironment.org/nowpap/news-and-stories/story/brainstorming-regional-cooperation-reducing-marine-plastics>

4.3. CEARAC

40. Following CEARAC FPs' agreement on the implementation plan for six specific projects in September 2020, CEARAC started activities for the 2020-2021 biennium officially. The progress of each activity are as follows:

Assessment of tidal flats and salt marshes distribution in the NOWPAP region

41. The first draft map of tidal flats and salt marshes was developed in April by Dr. Nicholas Murray and his team at James Cook University, using their modified mapping tool for the NOWPAP region.

42. Since there are still some differences between the provided information from the nominated experts of the NOWPAP Member States and the draft map, Dr. Murray has been developing a tool to identify false classification based on the Google Earth Engine.

43. At the same time, CEARAC asked the experts to review the first draft map and correct and/or add information, if there is any.

Organization of a training course on eDNA analysis

44. Whether to organise the training course next spring in 2022 with participants joining in person or not, will be finally decided by CEARAC FPs during the 18th CEARAC FPM to be organised in Q3-2021.

Updating information on HAB database and HAB Reference Database

45. CEARAC Secretariat prepared lists with the latest information on red tide/HAB occurrences in and latest papers for the NOWPAP region. The lists will be reviewed by experts, who are nominated and thoroughly discussed at the 18th CEARAC FPM.

Conducting case studies on estimating seagrass blue carbon in selected sea areas in the NOWPAP region

46. English manual of the Seagrass Mapper was added to the website, mapseagarss.org, in May 2021, and an English manual of the Seagrass Trainer was also uploaded to the website in June 2021.

47. CEARAC Secretariat prepared a revised implementation plan with account of the current COVID-19 pandemic situation and circulated it among the CEARAC FPs. It was approved by them by e-mail correspondence in June 2021.

48. National experts were nominated from the CEARAC FPs to carry out a series of case studies and case study areas in each of the Member countries as shown below (Table 4). CEARAC has concluded MoU with each expert.

Table 4. National experts and Selected areas for estimating seagrass blue carbon

Country	Expert	Area
China	Dr. Qinghu XING	Swan Lake
Japan	Dr. Greg NISHIHARA	Katagami Bay, Ohmura Bay
Korea	Dr. Seung Hyeon KIM	Dongdae Bay
Russia	Dr. Vazilii ZHARIKOV	Srednyaya Bay

Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for the assessment and monitoring of eutrophication using satellite chlorophyll-a

49. A prototype of the tool and web interface of NEAT were further developed in May 2021. Then, after testing, it was added to the Marine Environmental Watch Project website in June 2021 as one of the provided services.

50. As a related activity, CEARAC held a virtual meeting on 7 May 2021 with the GEO-GEE eutrophication watch project members to share the progress and consider the future direction to advance this project.

The Organization of the Fifth NOWPAP Training Course on Remote Sensing Data Analysis.

51. Because of the continuing coronavirus pandemic disease worldwide, CEARAC has been considering possibilities of organising webinar-style training courses while contacting potential partner organisations/institutions to co-organise these training courses. At the same time, CEARAC will be monitoring the situation with the COVID-19 pandemic by August 2021 and then decide whether or not to hold a face-to-face training course in late 2021 CEARAC FPs.

Strengthening Regional Capacity for Monitoring and Coastal Environmental Assessment through Knowledge/Information Sharing and Capacity Building

52. Following a request from POMRAC on supporting the preparation of the Third State of Marine Environment Report (SOMER-3), CEARAC has worked on providing some information, mainly on biological diversity in the NOWPAP region.

53. After coordination of the time and style of the 18th CEARAC FPM among the CEARAC FPs, it was decided to hold the 18th FPM on 24-25 August 2021 virtually.

4.4. DINRAC

Collect data of the Red List of Threatened Marine Species

54. The data format of the red list of species has been designed and completed. The Chinese regional species Red List and endangered levels have been recorded. The endangered levels of Japan, Republic of Korea and Russia's data are being analyzed based on the species Red List provided by China. The next step will be a summary analysis of four countries Species Red List species endangered classification and the preparation of research reports. It will be submitted to the DINRAC website before the end of December 2021.

Established sea water quality standards (GB 3097-1997) and sea water quality classification standards (HJ 442-2008)

55. A single factor assessment method is used to assess the quality of seawater. Evaluation indicators include: pH, DO, petroleum, inorganic nitrogen, non-ionic nitrogen, Hg, Cu, Pb, Cd, Zn, Se. Sea water quality standards are implemented in accordance with GB3097-1997. The regional evaluation standard for seawater quality is implemented in accordance with HJ 442-2008.

56. The use of a single factor evaluation method to evaluate surface quality was carried out. Surface water quality standards are implemented in accordance with GB3838-2002.

Collect the data of marine litter

57. Including data from the National Marine Environmental Quality Bulletin, data from the marine environmental quality bulletins of several coastal cities in Shandong Province, such as Weifang and Binzhou, as well as some work ledgers of maritime sanitations around the Bohai Sea areas during the regular designated assistance.

58. In the marine environmental quality report, the data on marine litter includes: type, quantity and distribution density of litter.

4.5. MERRAC

59. Based upon the decision to hold the 23rd MERRAC FPM and 15th CNA Meeting together with the Expert Group Meetings on oil fingerprinting and illegal discharge from ships remotely from 5 to 8 July 2021, the information and meeting documents were collected for preparing meetings during the second quarter of 2021.

60. Also, MERRAC has been conducting specific projects on "Assessment on the implementation of OPRC Convention and OPRC-HNS Protocol in the NOWPAP region" led by China, "Regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework" led by Korea, "Response options for condensate spill in context of update of NOWPAP MERRAC Regional Report on HNS Preparedness and Response, 2012" led by Russia, and "Development of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response in the NOWPAP region" led by MERRAC, for 2020/2021 biennium. Draft reports of specific projects led by China, Korea, and MERRAC were submitted as the 23rd MERRAC FPM & CNA Meeting documents.

61. Concerning the project on "Regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework", according to its implementation plan, the plan of the organisation on Expert Group Meeting on illegal discharges by ships, which will be held on 6 July 2021 before the 23rd MERRAC FPM, was prepared by the leading country. Also, national experts of this project submitted the presentation materials as meeting documents of the Expert Group Meeting on illegal discharge from ships.

62. Concerning the project on "Development of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response in the NOWPAP region", MERRAC initiated the preparation of the draft strategic plan with an external expert three times of virtual meetings. Also, it was discussed internally and in-depth the possible and/or new activities/items/issues taking into account the newly emerging marine environmental issues at the global and regional levels. Besides, the plan of the organisation of Expert Group Meeting on oil fingerprinting, which will be held on 5 July 2021 before the 23rd MERRAC FPM, was prepared, and presentation materials and a proposal for future work related to the oil fingerprinting were submitted as meeting documents of the Expert Group Meeting on oil fingerprinting.

63. There was a real marine pollution incident by a collision between oil tanker A SYMPHONY and cargo ship SEA JUSTICE on 27th April nearby the Yellow Sea. All information of the incident was shared to NOWPAP Member states through the Online Pollution Reporting (POLREP) System of the MERRAC website in real-time.

64. The 22nd BRAVO Exercise was successfully conducted from 25th to 27th May 2021 led by Japan. All NOWPAP Member states actively participated and responded through the total number of 44 POLREP.

4.6. POMRAC

65. The terms of reference (TOR) for POMRAC activities for 2020-2021 have been prepared by the POMRAC Secretariat and reviewed by the national focal points in the NOWPAP Member States. These ToRs have also been approved by UNEP HQs.

66. Discussion on the structure, formats of information of the SOMER-3 report among the main actors: national experts, RACs, continued in the reporting period. The nominated experts are being recruited through RCU (UNEP). Terms of reference for the nominated national experts have been sent out to start work on the preparation of national inputs.

67. Individual consultants nominated by the Member States to support the three activity areas of POMRAC in PoW 2020-2021, notably: SOMER-3, Microplastics, and EQOs are being contracted by UNEP. The status as of 30 March 2021 is presented in Annex 6.

68. Over a half of the research programme of the seasonal survey of microplastic runoff with river NOWPAP region of the Russian Federation, including Amur/Heilong, for 2021 has been completed. The nominated experts and an international consultant for developing a regional overview have received TORs, and work is underway to agree on a detailed structure for the review. National inputs of national reports will be submitted to POMRAC in 4 months after signing contracts with experts.

69. An SSFA has been finalised to support activities of the NOWPAP Regional Node on Marine Litter. Suballotment from UNEP HQ was completed in Q2-2021. The work is to be finalised by 30 November 2021.

70. The 18th POMRAC Focal Points Meeting has been agreed to for October 2021. Preparation is undergoing.

71. POMRAC participated in developing a new concept of the Special Project on marine biodiversity led by RCU. A concept of the project was reviewed by the NOWPAP National Focal Points in Q2-2021. The feedback has been processed and included in the final version of the Concept. The Concept will further be presented for approval to and discussed at the coming 24th NOWPAP IGM. Once the Concept and corresponding budget has been approved by the Member States, the Project will be kicked off.

72. A more detailed presentation and progress of individual activities are presented in 5.1.

4.7. Marine Litter

73. RCU organised a global webinar on addressing marine litter in the NOWPAP region on 30 March 2021 in cooperation with the GPML Secretariat. <https://www.gpmarinelitter.org/news/news/watch-2021-gpml-webinar-series-addressing-marine-litter-northwest-pacific-region>.

74. RCU worked closely with UNEP Headquarters on fundraising for addressing marine litter activities in the NOWPAP region. As a result, the GPA Secretariat approved USD 60,000 to support marine litter activities in the NOWPAP region. These funds will be utilised through the NOWPAP Regional Node on Marine Litter of GPML with contractual and administrative support by RCU.

75. The Third Overview of Marine Litter in the Northwest Pacific Region was completed and circulated in March 2021 for feedback by the NOWPAP Focal Points. Until June 30, 2021, only two Member States provided requested comments to RCU.

76. RCU has received comments from Marine Litter Focal Points of the Member States. After consolidating the comments, a revised RAP MALI will be circulated for further comments.

4.8. RAP BIO

77. The nominated experts have provided their comments to the draft RAP BIO before 9 February 2021. However, because the consensus could be not reached on some issues, RCU organised a virtual meeting on 30 March 2021 with the participation of the nominated experts and RAC representatives. The document is under further revision and was sent to the NOWPAP Focal Points for national consultations in Apr 2021. No feedback has been received as of June 30, 2021.

4.9. Special Projects

Special Project on Marine Microplastic

78. Funds have been transferred from UNEP and received by CRAES. Project is ongoing. No issues have been reported to RCU on the developments in Q2-2021.

Special Project on Key Indicator Species

79. The 3rd EO IGM requested RCU to look for new scientists and institutes to continue the special project on key indicator species. RCU has requested RACs to recommend experts in this region in February 2021. DINRAC has recommended Dr Hongjun Li from the National Marine Environment Monitoring Centre of China. RCU has organised the first brainstorm meeting on 18 March 2021, the second meeting on 6 April with the participation of a few scientists from the region to discuss how to move this project ahead. The third meeting was organised on 11 May 2021. A concept note was submitted to the NOWPAP Focal Points for consideration in June 2021.

80. In line with the resolution of the 3rd Extraordinary NOWPAP IGM (UNEP/NOWPAP 3EO/13, Resolution 4.4), RCU supported the development of a revised Concept of the Special Project "Key Identification of key indicator species and ecosystems of biodiversity change in the NOWPAP region". RCU has requested RACs to recommend experts in this region in February 2021. DINRAC has

recommended Dr Hongjun Li from the National Marine Environment Monitoring Centre of China (NMEMC). RCU organised the first brainstorm meeting on 18 March 2021, the second meeting - on 6 April with the participation of several leading regional experts and marine scientists from all NOWPAP Member States from the region to discuss how to move this project ahead. The third meeting was organised on 11 May 2021.

81. Following thorough discussions at these meetings, a concept of the Special Project on key indicator species was developed. The project concept further went through a round of regional consultations, the concept has also been reviewed by RACs (in addition to those participating in the consultative meetings). Finally, the concept was shared with the NOWPAP National Focal Points for comments on June 14, 2021. Upon request received by RCU, the deadline for comments was extended to July 5, 2021.

4.10. Partnership building

82. On 25 May, RCU attended the Webinar - User Consultations - Connect Stakeholder component of the GPML Digital Platform.

83. On 25 June, RCU 5th UN Special Thematic Session on Water and Disasters.

84. On 28-29 June, RCU attended the Second pre-meeting to the Ministerial Conference on Marine Litter and Plastic Pollution.

85. NOWPAP Coordinator was invited by the Toyama City Administration to deliver a lecture on NOWPAP within activities of the Toyama City International Department, as well as general experience of working for UN. The audience will consist mainly of students and young professionals learning English as a working language. The lecture will be delivered on July 13, 2021, virtually.

86. On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021.

87. On 22 March, RCU was invited to attend the meeting on synergies between Regional Seas and GPML digital platform.

88. On 2 March 2021, RCU was invited to attend the Joint Meeting with IMO on Sharing the Best Practices for Implementation, Compliance and Enforcement related to Dumping Protocol.

89. On 25 February 2021, governmental officials from Chungcheongnam-do, Republic of Korea, visited the RCU in Busan, Korea, exploring the possibilities of cooperation with NOWPAP in addressing marine litter.

90. On 5 February 2021, RCU was invited to present its activities in the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research (APN).

91. RCU was invited to attend the Session 5 of SEA of Solutions which was organized by COBSEA Secretariat on 26 November 2020. NOWPAP contributed to two side events, including an intervention on Science-Policy Dialogue in the Northwest Pacific region. Recording of the event is available at: <https://www.youtube.com/watch?v=aYKNB2yTyi4&feature=youtu.be>.

92. The Northwest Pacific Action Plan (NOWPAP) presented its efforts in addressing marine litter in the first Incheon International Ocean Forum (IIOF) which was held on 19-20 November 2020. Highlights of the meeting is presented "[Showcasing NOWPAP's Efforts in Addressing Marine Litter in the Incheon Ocean Forum](#)".

93. RCU congratulated the Yellow Sea Large Marine Ecosystem (YSLME) Project for its achievements in regional governance on protecting the marine environment in the 5th Interim YSLME Commission Council (ICC) meeting which was held on 19 October 2020 virtually.

94. On October 9, 2020, RCU attended a virtual global workshop was organised by the Institute for Advanced Sustainability Studies (IASS) located in Potsdam, Germany.

95. NOWPAP further explored the possibilities of cooperation with the East Asian countries in the field of marine environmental protection at the 12th East Asian Seas (EAS) Partnership Council virtual Meeting on July 22, 2020. As an invited long-term partner, NOWPAP used this opportunity to highlight its enthusiasm for establishing further synergies with PEMSEA in marine environmental protection.

96. NOWPAP and the Partnerships in the Environmental Management for the Seas of East Asia (PEMSEA) discussed the renewal of a long-standing cooperation agreement between the two organizations regarding sustainable development and management of marine and coastal environment. Representatives from both organizations explored cooperation in various fields in a bilateral teleconference on 15 September 2020. Following these discussions, a new MoU was drafted and sent to PEMSEA for comments.

97. NOWPAP participated as an observer in a virtual meeting of the North Pacific Marine Science Organization (PICES) Marine Environmental Quality Committee (MEQ) on September 23, 2020. The meeting reviewed the progress of MEQ, discussed high priority items to be reported to the PICES Science Board, and new topics and directions for MEQ development. As a follow up to this meeting, a separate discussions were organised with PICES WG 42 (Marine Litter and Plastics) on closer cooperation between NOWPAP and PICES in the field of scientific support to the science-policy dialogue in the NOWPAP region. Representatives of RCU, POMRAC, participated in these discussion. An agreement was reached to further collaborate, contact points in both organisations were identified to operationalise this partnership.

4.11. Implementation of PoW 2020-2021

98. A detailed reporting on the progress of implementation of PoW 2020-2021 in Q1 2021 is included in 5.1 below.

5. Report on Progress of Implementation of Resolutions of 3rd Extraordinary NOWPAP IGM.

5.1. Resolutions of 3rd Extraordinary IGM

99. The 3rd Extraordinary NOWPAP Intergovernmental Meeting was organised on 27 January 2021 virtually. Resolutions of the meeting are included in document UNEP/NOWPAP IG. 24/13. Overall, there are 7 Resolutions approved by the meeting, with 17 additional activities to be implemented by

NOWPAP and coordinated by RCU in the period Feb-Dec 2021. In addition, several specific reports, positioning papers, and concept notes are expected to be developed and submitted to the 24th NOWPAP IGM in Q4-2021. A list of these activities and NOWPAP Units leading their implementation are presented in **Table 6** below.

5.2. implementation of Resolutions of 3rd Extraordinary IGM

100. The 3rd Extraordinary IGM reviewed the progress of implementation of activities of the 2018-2019 PoW, and also looked into the progress of implementation of 2020-2021 NOWPAP PoW. The resolutions of the meeting approved by all NOWPAP Member States by correspondence and finalised on 5 April 2021 (UNEP/NOWPAP IG. 24/13) included several specific activities to be carried out before the 24th NOWPAP IGM (**Table 6**).

101. This report includes reporting on the implementation of Resolutions of the 3rd Extraordinary NOWPAP IGM cumulatively for Q1 and Q3 2021. The current report includes reporting on the progress achieved during February through June 2021. Overall, the progress of implementation during Q2-2021 achieved 8.5% (the progress in Q1-2021 was reported to be 12.1%) with the overall progress reaching nearly 21%⁵. Out of 17 additional activities, 12 have already moved into implementation (71%) in comparison with 7 reported on in the last quarter. A snapshot of the status and a breakdown of progress achieved for each individual resolution is presented in **Table 5** below.

Table 5 Progress of Implementation of Resolutions of the 3rd Extraordinary IGM

Resolutions	Q1-2021	Q2-2021	Q3-2021	Q4-2021
Resolution 1	14%	77%		
Resolution 2	28%	38%		
Resolution 3	60%	60%		
Resolution 4	5%	10%		
Resolution 5	10%	15%		
Resolution 6	-	5%		
Resolution 7	-	3%		
TOTAL	12.7%	20.5%		

102. A detailed presentation of progress of implementation of each individual resolution and a workplan with a description of specific progress is presented in **Table 7** (Annex 3).

⁵ This is an estimate based on an assessment carried out by RCU of the implementation status of each individual resolution as of 31 March 2021. The target considered 100% is the completion by the end of 2021.

Table 6 Additional Activities to be implemented in 2021 based on Resolutions of 3rd Extraordinary NOWPAP IGM

#	Resolution Item	Final Output	Implementation plan		Responsible	Current Progress, %	Comments
			Deliverable	Deadline			
1	Res 1.3	Contribution of Member States to NOWPAP Trust Fund and Grants paid	Summary of contributions	Each Quarter	RCU	53%	Progressing well. See Annex 5 for details.
2	Res 1.5	An overview of financial status of NOWPAP Trust Fund (40PNL)		Q4-2021	RCU	0%	Not Started.
3	Res 1.6	Consultations with Member States prior to engagements on additional resource mobilization activities	Records of consultations	Ongoing	RCU, RACs	50%	Ongoing.
4	Res 2.2	Design of additional activities to support Priority Area 1 of NOWPAP MTS 2018-2023 "Support Ecosystem-Based ICARM"	Activities on ICARM in PoW 2022-2023	Dec 2021	POMRAC	0%	Not Started.
5	Res 2.3	Introduction of innovative ways and methods of working	Records on individual activities	Ongoing	RCU, RACs	50%	Ongoing.
6	Res 2.5	Regular (quarterly) update of the NOWPAP Member States on progress of implementation of PoW 2020-2021	Quarterly Report	Each quarter starting Q2-2020	RCU, RACs	62.5%	A baseline assessment and quarterly reports for Q2-Q4 2020 and Q1 2021 have been prepared and circulated among Member States
7	Res 3.2	Finalized RAP BIO submitted to 24 th IGM	RAP BIO	Q4-2021	RCU, CEARAC	60%	A draft document has been prepared and circulated for comments.

#	Resolution. Item	Final Output	Implementation plan		Responsible	Current Progress, %	Comments
			Deliverable	Deadline			
8	Res 4.2	Completed special project proposal "Monitoring and Assessment Methods for Microplastics Pollution"	Project Proposal	Mar 2022	RCU, CRAES	30%	Ongoing. All administrative steps for contracting have been completed. Funds transferred.
9	Res 4.3	Additional Financial resources agreed for special project "Monitoring and Assessment Methods for Microplastics Pollution"	Formalized agreements	Mar 2022	RCU, CRAES	0%	Not Started.
10	Res 4.4	Detailed background information and analysis on the delay of the project "Identification of Key Indicator Species and Ecosystems of Biodiversity Change in the NOWPAP Region"	Report	Q4-2021	RCU	10%	A summary of the development of this Special Project has been included in a revised Project Concept circulated among Member States for comments. Received feedback is being processed.
11	Res 4.7	A scoping paper on Special Projects	Lessons learned during the development of the Special Projects	Q4-2021	RCU	0%	Not Started.
12	Res 5.2	NOWPAP Communication and Outreach Strategy, including Promotional Videos	Consultant contract	May 2021	RCU	15%	An international consultant will be commissioned
13	Res 6.1	Monitoring and Evaluation Framework of NOWPAP MTS 2018-2023	ToR for Monitoring and Evaluation Framework	May-June 2021	RCU	5%	An international consultant will be commissioned

#	Resolution. Item	Final Output	Implementation plan		Responsible	Current Progress, %	Comments
			Deliverable	Deadline			
14	Res 6.2	A concept paper on a Mid-Term Review of the implementation of the NOWPAP MTS 2018-2023	ToR for MTR based on UNEP/GEF Guidelines	Sept 2021	RCU	5%	ToR have been prepared and circulated for comments.
15	Res 7.1	Technical support by RCU to the 24 th IGM	Meeting organized virtually	Q4-2021	RCU	0%	Not Started.
16	Res 7.3	A positioning paper on institutional analysis of NOWPAP and operation of individual RACs	ToR for institutional analysis	May-June 2021	RCU	5%	ToR have been prepared and circulated for comments. Received feedback is being processed.
17	Res 7.4	A Concept Note of a NOWPAP Award	Draft Concept Note of a NOWPAP Award	Q4-2021	RCU, Russia	3%	The first draft of ToR has been developed and sent to the National Focal Point of Russia for comments.

Annex 1. Progress of Implementation of NOWPAP PoW 2020-2021

Total budget of USD1,300,000 for the biennium including 13% of PSC.

Priority Area 1. Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM)

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
<p>1.1.1. “Good environmental status” of the NOWPAP is defined and provides a baseline and direction for Member States action</p> <p>Expected partners: PEMSEA, YSLME Project Phase II, UNEP Regional Seas Programme, and UNESCO/IOC</p>	<p>Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2</p>	POMRAC	<p>Preparation of national inputs for the development of EcoQO targets</p>	<p>Q2-2020: (10%). ToRs for national experts have been developed. National experts nominated.</p>
				<p>Q3-2020: (15%). Nominated experts are being recruited through RCU (UNEP). All experts are being contacted to enter their accounts into INSPIRA and developing Personal History Profiles (PHP). Experts are providing sets of required documents for contracting. ToRs developed earlier have been cleared by UNEP Ecosystems HR and Senior Management. Process of recruiting has started.</p>
				<p>Q4-2020: (25%). Review of the terms of reference (TOR) by the national focal points.</p>
				<p>Q1-2021: (30%). National experts work on national reports, preliminary versions for the PRC are presented.</p>
				<p>Q2-2021: (50%). National experts work on national reports, preliminary versions for the PRC are presented.</p>
		POMRAC	<p>Compilation of National Inputs and preparation of draft regional synthesis report</p>	<p>Q2-2020, Q3-2021: Not started.</p>
				<p>Q4-2020: (10%). Circulated the TOR to the nominated national experts to begin work on the preparation of national inputs.</p>
				<p>Q1-2021: (25%). National report of the PRC is reviewed by an international consultant.</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q2-2021: (30 %). National reports carried out after the conclusion of contracts with the national experts
		POMRAC	Finalizing and printing of the regional synthesis report on the Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2”	Q2-2020: Not started.
			Q3-2020: Not Started.	
		Q4-2020: 10%. Terms of reference for the nominated national experts have been developed to start work on the preparation of national inputs.		
		Q1-2021: (12.5%). The work on the finalization of the national reports will be carried out after the conclusion of contracts with the national experts		
		Q2-2021: (15 %). The work on the finalization of the national reports carried out after the conclusion of contracts with the national experts.		
		POMRAC	Report of the regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2”	Q2-2020, Q3-2020: Not started.
		Q4-2020: 0%. Not started due to the impossibility of organizing a normal meeting under quarantine conditions.		
		Q1-2021: (15%). Regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” will be held in September 2021.		
		Q2-2021: (20 %). Regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” will be held in September 2021. Preparation of preliminary working materials for the meeting has begun.		

Priority Area 2. Assess the Status of the Marine and Coastal Environment

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
<p>2.1.1. The NOWPAP Member States are provided with integrated periodic assessments of the state of marine and coastal environment and its components, including (but not limited to) biodiversity, chemical and biological pollution, harmful algal blooms, marine litter, oil and HNS threats, and climate change impacts to inform and foster policy action</p>	<p>The preparation of State of Marine Environment in the NOWPAP Region (SOMER-3) (phase 1)</p>	POMRAC	Workshop on SOMER-3 structure	Q2-2020: Not started.
		Q3-2020: (5%). The 1st Draft Content and Structure of SOMER 3 was prepared for discussion with FPs, RACs, RCU and experts as a document for the 17th POMRAC FPM.		
		Q4-2020: (5%). No progress in Q4-2020 due to the impossibility of organizing a normal meeting under quarantine conditions.		
		Q1-2021: (50%). Regional workshop on SOMER-3 structure was prepared and will be held in April 2021, the meeting aims to agree with the national experts from NOWPAP Member States on the structure of the review and formats for submission of materials by national experts.		
		Q2-2021: (25 %). The preparation of texts of the parts of the review continues, but the materials will be submitted to POMRAC in 4 months after signing of contracts with experts and RACs.		
		POMRAC	Preparation of the different chapters for SOMER-3 and compilation of the draft SOMER-3 – The integrated assessment of environmental problems, status and trends related to existing and changing natural and socio-economic	Q2-2020: Not started.
		Q3-2020: (10%). Started. Discussions are underway with the RCU, RACs and POMRAC focal points on the content, structure and formats SOMER-3 (in general and on national inputs).		
		Q4-2020: (15%). Continuation of the discussion of the structure, formats of information between the main actors: national experts, RACs.		

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
			conditions in the NOWPAP region	Q1-2021: (20%). The preparation of texts of the parts of the review has begun, but the materials will be submitted to POMRAC in 4 months after signing of contracts with experts and RACs.
				Q2-2021: (25 %). The preparation of texts of the parts of the review continues, but the materials will be submitted to POMRAC in 4 months after signing of contracts with experts and RACs.
	Regional Overview of Microplastics abundance in river runoff of the NOWPAP region	POMRAC	Preparation of and draft RO and finalization National Inputs on the river runoff of microplastics to the coastal zone of the NOWPAP region	Q2-2020: Not started.
				Q3-2020: (3%). ToRs for national experts have been developed. National experts nominated.
				Q4-2020: (10%). Nominated experts are being recruited through RCU (UNEP). Terms of reference for the nominated national experts have been sent out to start work on the preparation of national inputs.
				Q1-2021: (15%). Nominated experts are continued to be recruited through RCU (UNEP). INSPIRA process was completed for almost 70% of the nominated experts. RCU is collecting from the experts documents required to complete contracting process.
				Q2-2021: (30 %). National experts have begun work on preparing national inputs for the review.
		POMRAC	Seasonal survey of microplastic runoff with river NOWPAP region RF include Amur/Heilong	Q2-2020: Started May 2020 – 25%, Q3-2020: (35%).
				Q4-2020: (50%). Completed for the program of 2020 year.
				Q1-2021: 75%. Half of the programme for 2021.
			Q2-2021: (85 %). Spring and summer studies were carried out.	

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		POMRAC	Finalization and publication of the regional Overview	<p>Q2-2020: Not started.</p> <p>Q3-2020: (5%), Q4-2020: (7%).</p> <p>Q1-2021: (10%). The nominated experts and consultant have received TORs and work is underway to agree on a detailed structure for the review. National inputs of national reports will be submitted to POMRAC in 4 months after signing of contracts with experts.</p> <p>Q2-2021: (15 %). The coordinator started working with experts to prepare the sections of the review.</p>
2.1.2. The NOWPAP Member States, through the NOWPAP Information Portal, have free and user-friendly access to data and reliable information on coastal and marine environment collected from members, NOWPAP RACs, other institutions and projects	Annual Summary of Major Marine Environmental Data Available in the Member States	DINRAC	Marine environmental data for 2018-19 collected	<p>Q2-2020: Not started.</p> <p>Q3-2020: (10%). Start drafting expert contract.</p> <p>Q4-2020: (20%). MED data of 2016-2017 have been collected by 4 member states, the MoU has been drafted by DINRAC Secretariat.</p> <p>Q1-2021: (30%). MED Mou for 2021 has been signing with DINRAC Focal Points.</p> <p>Q2-2021: (50%). Promote expert contract payment, collecting data and information.</p>
		DINRAC	The data by categories, countries and years complied	<p>Q2-2020: Not started. Q3-2020: (30%). Existing data are classified by country and year.</p> <p>Q4-2020: (35%). The MED data of 2018 will be collected in the Q1-2021.</p> <p>Q1-2021: (40%). MED data for 2018 and 2019 has been collecting and compiling by DINRAC Focal Points.</p> <p>Q2-2021: (50%). Collecting data and information by DINRAC Focal Points.</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		DINRAC	Data available on the DINRAC portal with free access	Q2-2020: Not started.
				Q3-2020: (30%). At present, 8 kinds of data of MED on the website have been updated, including China's 2016-2018, Korea's 2017 and Japan's 2010-2017 data.
				Q4-2020: (35%). The MED data of 2018 will be updated at the DINRAC website in Q1-2021.
				Q1-2021: (40%). MED data for 2018 has been complied with the format in the MED databases.
				Q2-2021: (60%). MED data for 2018 has been further complied with the format in the MED databases.
		DINRAC	Collected data and evidence of databases used reported at annual FPMs	Q2-2020: Not started. Q3-2020: Not started.
				Q4-2020: (35%). The Implementation plan of MED data will be report at the DINRAC FPM in Q1-2021 (The 18 th DINRAC FPM).
				Q1-2021: (40%). Previously MED data has been referred in the DINRAC 18th Focal Points Meeting.
				Q2-2021: (60%). Previously MED data has been further referred in the DINRAC 18th and 19th Focal Points Meeting.
	Upgrade and regularly update DINRAC Website with additional WebGIS-based maps developed	DINRAC	Database structure of specific data redesigned	Q2-2020: Not started. Q3-2020: (10%). New database types are currently being planned.
				Q4-2020: (20%). The Database structure of specific data has been redesigned as required.
				Q1-2021: (25%). The database structure of Sustainable Ports has been designed.
Q2-2021: (50%). Some port data has been entered.				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		DINRAC	Add biodiversity topics to the website	Q2-2020: (80%). Finally, the data volume from 1996 to 2018 will be formed by sorting out the National Biodiversity thematic data collected by standardization, data warehousing and visual display.
				Q3-2020: (80%). No progress in Q3-2020.
				Q4-2020: (85%). Adding biodiversity topics to the website has been achieved at DINRAC website.
				Q1-2021: (90%). The endangered species of NOWPAP region Phase 3 has been compiled and will be updated in the DINRAC webpage.
				Q2-2021: (100%). Completed.
		DINRAC	The non-structured data into the database migrated	Q2-2020: Not started.
				Q3-2020: (10%). Collect and sort out the data.
				Q4-2020: (15%). The non-structured data into the database migrated partially.
				Q1-2021: (25%). The DINRAC non-structured data has been signed and migrated in the DINRAC webpages.
				Q2-2021: (60%). Implemented the migration work.
		DINRAC	WebGIS system developed	Q2-2020: (80%). Through rectification, technical means of data carding, database building and informatization are realised, and multi-index and multi time series database of marine business data is formed.
				Q3-2020: (80%). No progress in Q3-2020.
Q4-2020: (85%). The website has been further developed on invasive species, and endangered species modules.				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q1-2021: (90%). The WebGIS modules for endangered species have been elaborated.
		Q2-2021: (90%). No progress in Q2-2021.		
		DINRAC	Spatial display of invasive species data	Q2-2020: Completed. (100%). According to the data of invasive species, spatial display of map is carried out, including spatial data, spatial data publishing services, etc.
		Q3-2020: Completed (100%).		
		Q4-2020: 100%. The website has been further developed on invasive species module.		
		Q1-2021: (100%). The spatial display will be designed with WebGIS modules.		
		Q2-2021: (100%). Completed.		
		DINRAC	Add data statistical analysis sub column	Q2-2020: (80%). Extract the data from the Northwest Pacific Ocean Environmental analysis report compiled by Peking University in 2018, standardize the processing, put into storage, and realize the visual analysis on the website.
		Q3-2020: (80%). No progress in Q3-2020.		
		Q4-2020: (85%). The MED data has been categorized and analysed further with statistical diagrams and figures.		
		Q1-2021: (90%). DINRAC MED statistical analysis has been conducted with e-format report.		
		Q2-2021: (90%). No progress in Q2-2021.		

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		DINRAC	Build the column of the 17 th DINRAC regional node meeting	Q2-2020: (20%). A special column of the 17th DINRAC regional node meeting was established, including 26 conference materials.
				Q3-2020: (25%). A special column of the 17th DINRAC regional node meeting was established, including 26 conference materials.
				Q4-2020: (35%). The column has been designed and displayed.
				Q1-2021: (45%). The regional node will be further added with app downloading functions based on the ICC activities.
				Q2-2021: (60%). Preliminary development and establishment of Monitor marine litter APP.
		DINRAC	Polls and questionnaires developed	Q2-2020: (80%). A Questionnaire was designed. There are four fixed questions and one open question. Survey statistics are used to count the results of each option for each question.
				Q3-2020: (80%). No progress in Q3-2020.
				Q4-2020: (85%). The questionnaire has been designed and displayed at DINRAC homepage.
				Q1-2021: (90%). The questionnaire has been displayed on the DINRAC homepage.
				Q2-2021: (100%). Completed.
		DINRAC	Establishment of Marine Litter Regional Node website	Q2-2020: (40%). It includes six modules: home page, job responsibilities, data centre, map, publication and technology.
				Q3-2020: (40%). No progress in Q3-2020.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q4-2020: (45%). The Regional Node website has been displayed and further enriched.</p> <p>Q1-2021: (50%). The regional node is preparing for collecting Marine litter data from 2014-2020 based on the RAP MALI experts' inputs.</p> <p>Q2-2021: (60%). Preliminary development and establishment of Monitor marine litter APP</p>
2.1.3. NOWPAP Member States' capacity on remote sensing analysis improved.	Organization of the 5 th Training Course on Remote Sensing data analysis	DINRAC	Polls and questionnaires developed	<p>Q2-2020: (80%). Through rectification, the technical means of data carding, database building and informatization are realized, and the multi-index and multi time series database of marine business data is formed.</p> <p>Q3-2020: (80%). No progress in Q3-2020</p> <p>Q4-2020: (85%). The questionnaire has been designed and sent to DINRAC Focal Points for further development.</p> <p>Q1-2021: (90%). The questionnaire is further developed and displayed after DINRAC 18th Focal Points Meeting.</p> <p>Q2-2021: (100%). Completed.</p>
		CEARAC	A one-week training course on remote sensing data analysis for graduate students, young scientists, professionals and NGO staffs organized successfully.	Q2-2020: (5%). CEARAC started considering option to organize the course in a webinar style and preparing table of contents for teaching materials. Implementation plan will be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q3-2020: (10%). A one-day online trial training is planned for December. Preparatory activities have started.</p> <p>Q4-2020: (20%). One-day online training course was tried out in December and analysed merits and demerits of virtual training courses.</p> <p>Q1-2021: (25%). Preparation for the course continues.</p> <p>Q2-2021: (30%). Preparation for the course continues</p>

Priority Area 3. Prevent and Reduce Land- and Sea-Based Pollution

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
<p>3.1.1. NOWPAP Member States have included effective measures in place against marine pollution emergencies through the NOWPAP Regional Oil and HNS Spill Contingency Plan (RCP), including information sharing, improved response capacity, and the implementation of specific projects</p>	<p>Update and maintain NOWPAP Regional Contingency Plan (RCP) (MERRAC)</p>	<p>MERRAC</p>	<p>NOWPAP RCP regularly updated</p>	<p>Q2-2020: (25%). Maintaining the RCP including its Annexes and networks among the relevant Competent National Authorities for the RCP in the NOWPAP region.</p> <p>Q3-2020: (37.5%). 15th Competent National Authorities (CNA) Meeting in progress via email communication.</p> <p>Q4-2020: (50%). The major agenda of the 15th CNA Meeting was discussed by email communication from 30 July to 16 October. Report of the e-mail discussion for the 23rd MERRAC Focal Points Meeting, and 15th Competent National Authorities was published and uploaded on MERRAC website, and the hard copies of the report were distributed to the Member States, NOWPAP RCU and RACs, IMO and relevant international organization.</p> <p>Q1-2021: (70%). Establish the draft guideline of procedure for exchange of oil sample for transboundary marine pollution incident in NOWPAP region as agenda of the 23rd FPM and 15th CNA meeting.</p> <p>Q2-2021: (70%). No progress in Q2-2021.</p>
	<p>Update information on marine pollution response resources, including equipment, institutions and experts (MERRAC)</p>	<p>MERRAC</p>	<p>Information system on marine pollution preparedness and response based on Web GIS is updated regularly on the MERRAC website.</p>	<p>Q2-2020: (25%). Collecting and updating the information of oil and HNS spill response equipment, instructions and experts</p> <p>Q3-2020: (50%). Completing the updates of latest information (2019) on oil and HNS spill response equipment, instructions and experts on the MERRAC Webpage</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q4-2020: (50%). Maintaining the operation of Web GIS through regularly monitoring the condition of the system and database.
				Q1-2021: (50%) No progress in Q1-2021.
				Q2-2021: (70%). Collecting the information of oil and HNS spill response equipment, instructions, and experts from Member states.
	Organize regular table-top, communication and full-scale oil and NHS spill exercises DELTA Exercise (to be led by Korea)	MERRAC	Table-top, communication and full-scale oil and/or HNS spill exercises successfully carried out	Q2-2020: (50%). Improving and practicing communication system among the Members using the Online Pollution Reporting System on 28-29 May 2020, led by Russia (21 st NOWPAP BRAVO Exercise)
				Q3-2020: (50%). Postponing the 8th NOWPAP DELTA Exercise to 2021 and discussing the implementation plan.
				Q4-2020: (50%). MERRAC has been monitoring the COVID-19 situation and will continuously discuss the possibility of conducting the Exercise with leading and co-leading countries.
				Q1-2021: (70%). To conduct exercises smoothly, the FAX system of Online POLREP was tested and improved.
Q2-2021: (85%). Improving and practicing communication system among the Member states using the Online Pollution Reporting System on 25-27 May 2021, led by Japan (22 nd NOWPAP BRAVO Exercise).				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Assessment of the implementation of the OPRC Convention and OPRC-HNS Protocol in the NOWPAP region	MERRAC	Guide on practical methods for the implementation of the Convention and Protocol	Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project.
				Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts.
				Q4-2020: (45%). (see the below item).
				Q1-2021: (45%). No progress in Q1-2021.
	Q2-2021: (45%). No progress in Q2-2021.			
	MERRAC	National reports developed with recommendations made	Q2-2020: Not started. Q3-2020: Not started.	
			Q4-2020: (50%). The questionnaire on ratification of the Convention and Protocol has been circulated, submitted by Member States, and a draft national report is being developed.	
			Q1-2021: (70%). All member states submitted the national report of their respective countries, and the draft report is being developed.	
Q2-2021: (75%). The preliminary draft report was being developed.				
Identification of regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework	MERRAC	Tasks that require international cooperation related to MARPOL 73/78 identified (e.g., oil-waste discharge from ships, fuel-oil quality, etc.)	Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project.	
			Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts.	

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q4-2020: (50%). Format of the national report was developed and circulated to the national nominated experts.
		Q1-2021: (60%). The plan of organization for the expert group meeting on illegal discharges from ships was decided. Its annotated provisional agenda was developed and circulated.		
		Q2-2021: (70%). The expert group meeting on illegal discharge from ships was prepared, and the documents of the expert group meeting were developed and submitted by Member states.		
		MERRAC	Developing the report through scope and case study ⁶	Q2-2020: (0%) Not started. Q3-2020: (0%) Not started. Q4-2020: (0%). Not started.
	Q1-2021: (40%). The national reports from China, Korea, and Russia were submitted, and Japan will submit the report soon.			
	Q2-2021: (60%). The draft report was submitted as the meeting document of the 23 rd MERRAC FPM & CNA Meeting.			
	Response options for condensate spill in context of update of NOWPAP MERRAC	MERRAC	Publicly available data on natural gas condensate (NGC) spills and their	Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project
Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts.				

⁶

In the previous Quarterly reports (Q2-Q4 2020), this task was presented as three sub-tasks. On a request from MERRAC the sub-tasks were combined into one task.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Regional Report on HNS Preparedness and Response		response and consequences assessed	Q4-2020: (37.5%). No progress in Q4-2020.
				Q1-2021: (50%).The data collection and assessment are in progress.
				Q2-2021: (60%). Further discussion on the necessity of developing response plans for offshore condensate spills has been conducted among experts.
			Proposals for the updates of NOWPAP MERRAC previously issued technical reports prepared	Q2-2020: Not started.
				Q3-2020: Not started.
				Q4-2020: (37.5%). No progress in Q4-2020.
	Q1-2021: (50%). Development of the draft report is in progress			
	Q2-2021: (65%). The preliminary draft report has developed with opinions and comments of experts.			
	Proposal of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response	MERRAC	Possible activities/ actions to be implemented by MERRAC in the future identified	Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project
				Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts.
Q4-2020: (50%). Identification of the latest trends of NOWPAP, IMO, and relevant regional centres, and discovering the related projects to be covered by MERRAC in future. Development of the draft plan for small group expert meeting on oil fingerprint as one of the MERRAC activity.				
				Q1-2021: (60%). New activities/actions to be implemented by MERRAC are being discovered through

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				the identification of the trends of the relevant organizations. Also, the plan for organization of the expert group meeting on oil fingerprinting was developed, and its annotated provisional agenda was prepared and circulated.
		Q2-2021: (70%). The expert group meeting on oil fingerprinting was prepared, and the documents of the expert group meeting were developed and submitted by Member states.		
		MERRAC	Report on MERRAC strategic plan with the information package on MERRAC activities over the last 20 years published	Q2-2020: Not started.
		Q3-2020 (20%). Establishing the table of contents of the strategic plan, selecting the domestic expert and assigning duties.		
		Q4-2020: (50%). Development of the draft report on MERRAC strategic plan is in progress.		
Q1-2021: (60%). The contents of the report have been developed and the draft report is being written by the MERRAC secretariat with an external expert.				
Q2-2021: (65%). The draft report is being written by the MERRAC secretariat with an external expert.				
3.1.2. The NOWPAP Member States are provided with reliable information,	Improvement of the NOWPAP Eutrophication	CEARAC	New ocean colour sensors evaluated and incorporated into an	Q2-2020: (5%). A research proposal of GEO-Google Earth Engine Programme was submitted for funding. The decision is expected in July 2020. The project

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
guidelines and best practices addressing prevention and mitigation of coastal and marine pollution, including eutrophication	Assessment Tool (NEAT) for assessment and monitoring of eutrophication using satellite chlorophyll-a		assessment of eutrophication in the coastal and closed bays in the NOWPAP region	<p>outputs will help to accelerate the implementation and improvement of NEAT. An implementation plan will further be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially.</p> <p>Q3-2020: (10%). Project proposal for "Development of a Near Real Time Monitoring System for Marine Coastal Eutrophication Using Google Earth Engine" was accepted in July.</p> <p>Q4-2020: (20%). CEARAC has concluded conceptual design for constructing an online match-up tool.</p> <p>Q1-2021: (30%). The construction of the tool for online match-up of satellite data is in progress and expected to be completed by May 2021.</p> <p>Q2-2021: (40%). After testing, the tool was added to the Marine Environmental Watch Project website in June 2021.</p>
	Organization of expert meeting to discuss technical issues on oil and HNS spill preparedness and response	MERRAC	Expert meeting identifies specific issues related to oil and HNS spill response	<p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: Discussing schedule and specific issue of the Expert Meeting with hosting country China (10%).</p> <p>Q4-2020 and Q1-2021: (10%). No additional progress.</p> <p>Q2-2021: (30%). The draft plan for the organization of the 2021 MERRAC Expert Meeting was submitted by China, the leading country. The detailed plan will discuss in the 23rd MERRAC FPM.</p>
3.1.3. NOWPAP Member States address marine litter, including microplastics,	Organize 2020 and 2021 NOWPAP-TEMM Marine Litter Management			Q2-2020: Not started. Due to restrictions of any events in the Far East Region of Russia, the planned events will be significantly scaled down in 2020. ICC will not be

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
through the effective implementation of the NOWPAP Regional Action Plan on Marine Litter (RAP MALI)	Workshops and International Coastal Cleanup campaigns	RCU, Russia (2020), Japan (2021)	Regularly updated on global, regional and national actions	organised in 2020. The workshops are planned to be held online virtually. ICC 2021 in Japan is being designed by the Focal Point of Japan. No decision on the exact areas has been made.
				Q3-2020: (5%). • RCU proposed to organise a virtual NOWPAP-TEMM Marine Litter Management Workshop and RAP MALI Focal Points Meeting. The consultation is ongoing. A tentative agenda has been developed and circulated for comments. • Contacts have been established with the nominated organiser of the campaign in Japan in 2021. Registering in the UN system (UMOJA) has started. A set of documentation has been completed and being processed for submission to the UN Partners Portal.
				Q4-2020: (50%). NOWPAP-TEMM Marine Litter Management Workshop and Marine Litter Focal Points Meeting were organized online on 2-3 December 2020. The meeting reports have been circulated.
				Q1-2021: (60%). Contacts continued with the nominated organiser of the campaign in Japan in 2021. Registering in the UN system (UMOJA) is still ongoing.
				Q2-2021: (70%) The meeting has been confirmed to be held online on 15 September 2021.
Q2-2020: (0%) Not started.				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)	
		RCU, Russia (2020), Japan (2021)	Addressing marine litter, incl. microplastics provided at the annual NOWPAP-TEMM workshops	<p>Q3-2020: 0%. Delayed due to the delays with organization of the workshops.</p> <p>Q4-2020: (50%). Annual workshop in 2020 was held.</p> <p>Q1-2021: 50%. No progress in Q1-2021.</p> <p>Q2-2021: (50%) The meetings has been confirmed to be held on 15 September 2021.</p>	
		RCU, Russia (2020), Japan (2021)	An increasing number of various stakeholders and citizens participate in beach cleanup campaigns in member countries	<p>Q2-2020: (0%) Not started. Activity has been postponed due to the COVID-19 pandemic.</p> <p>Q3-2020: (0%). Delayed due to delays with workshops. ICC in Vladivostok in 2020 was cancelled due to restrictions posed by the Russian government.</p> <p>Q4-2020: (30%). The 2020 ICC could not be organized due to the COVID-19 pandemic. The Marine Litter Focal Points and DINRAC reported their campaigns organized in 2020 in the NOWPAP Marine Litter Meetings on 2-3 December 2020.</p> <p>Q1-2021: (30%). No progress in Q1-2021.</p> <p>Q2-2021: (30%). No progress in Q2-2021.</p>	
		RCU	Consultations conducted among the Member States	<p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: 10%. RAP MALI is being reviewed based on comments received from the focal points.</p> <p>Q4-2020: (50%). The revised RAP MALI was prepared by RCU and circulated among the Member States on 23 Oct 2020. The NOWPAP Marine Litter FPM reviewed</p>	
		Revision of NOWPAP Regional Action Plan on Marine Litter			

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>the draft on 3 Dec 2020 and agreed on a schedule to finalize the revised RAP MALI.</p> <p>Q1-2021: (60%). Comments have been received from the Focal Points. The draft is under revision.</p> <p>Q2-2021: (70%). The second version of the revised RAP MALI was circulated on 29 April 2021. Comments were received on 8 June 2021. The draft is under revision.</p>
		RCU	Two meetings organized back-to-back with the annual marine litter workshop	<p>Q2-2020: Not started.</p> <p>Q3-2020: (5%). RCU proposed to organize a virtual meeting. The consultation is ongoing.</p> <p>Q4-2020: (50%). The 2020 NOWPAP Marine Litter Focal Points Meeting was organized on the 3rd of December 2020 focusing on the revision of RAP MALI.</p> <p>Q1-2021: (50%). No progress in Q1-2021.</p> <p>Q2-2021: (55%) The meeting was confirmed to be held on 16 September 2021.</p>
		RCU	Revised Action Plan adopted by the end of 2021	<p>Q2-2020: Not started.</p> <p>Q3-2020: (5%). Revision of the RAP MALI by RCU is being completed.</p> <p>Q4-2020: (50%). The revised RAP MALI, prepared by RCU, was circulated on 23 October 2020.</p> <p>Q1-2021: (60%). Comments have been received from the Focal Points. The draft is under revision.</p> <p>Q2-2021: (70%). Comments have been received from the Focal Points. The draft is under revision.</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Enhance the Northwest Pacific regional node of the Global Partnership on Marine Litter (GPML)	DINRAC and Member States	Updated regularly information on GPML Regional Node	Q2-2020: (5%). Ongoing. Proposal for additional funding from GPA prepared and submitted to UNEP HQs
				Q3-2020: (7%). Proposal for additional funding from GPA has been prepared and submitted to UNEP HQs. Funding is expected in 2021.
				Q4-2020: (15%). The new NOWPAP Marine Litter Data format has been designed jointly with OSEAN, and the MoU with RAP MALI Focal Points were drafted & sent.
				Q1-2021: (25%). The GPML NW Pacific regional node is updated regularly.
		Q2-2021: (50%). The civil science APP for GPML NW Pacific Regional Node has been developing and testing for online publishing.		
		DINRAC and Member States	Evidence of the Node playing an increasing role in facilitating regional information	Q2-2020: (5%). NOWPAP Regional Node reps directly contributed to an online conference on Marine Litter jointly organised by GPA and Cartagena Convention
				Q2-2020: (10%). Engagement of the NOWPAP Regional Node with GPML and GPA further strengthened. NOWPAP Regional Node actively participates in all relevant activities.
				Q4-2020: (15%). The DINRAC has organized several on the ground Regional Sea Beach cleanup with Shanghai Rendu NPO, and Jinan University (Guangzhou based) for youth's awareness on the regional ML management.
Q1-2021: (25%). Regional sea beach cleanup activities have been conducted with partners.				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q2-2021: (50%). The representative of DINRAC has attended international seminars to introduce the working progress of the GPML NW Pacific Regional Node.
		DINRAC and Member States	Exchange and networking	Q2-2020: (5%). Regional Node of GPML is operational. A series of discussions and virtual meetings were organised with UNEP HQs, and sister-Regional Seas Programmes (Cartagena Convention)
		Q3-2020: (8%). Continued. A coordination meeting held with GPML on the establishment of a system of rotational Regional Node Representation in major GPML activities. 2020 – Mediterranean Regional Node was selected. NOWPAP Regional Node supported this nomination.		
		Q4-2020: (12%). DINRAC applied for the New Regional Node proposal on the development of NW Pacific to GPML Secretariat.		
		Q1-2021: (20%). The New Proposal has been handed over to GPML Secretariat for approval. Activities are expected to be started in Apr-May to Nov 2021.		
		Q2-2021: (50%). SSFA signed in June 2021.		

Priority Area 4. Conserve Marine and Coastal Biodiversity

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
<p>4.1.1. The NOWPAP Member States are provided with information and data, including on the status and major threats to Red List species and invasive alien species and sensitive habitat mapping in the region</p>	<p>Evaluation of distribution of tidal flats and salt marshes in the NOWPAP region</p>	<p>CEARAC</p>	<p>Distribution and historical changes of tidal flats and salt marshes in the NOWPAP region mapped</p>	<p>Q2-2020: (3%). Implementation plan will be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially.</p>
				<p>Q3-2020: (5%). CEARAC is preparing an MoU to contact with Dr. Murray, James Cook University, for mapping of the distribution of tidal flats and salt marshes with their mapping tool, Global Intertidal Change (GIC).</p>
				<p>Q4-2020: (20%).</p> <ul style="list-style-type: none"> • CEARAC concluded MoU with James Cook University (led by an international consultant, Dr. Murray) for mapping the distribution of tidal flats and salt marshes in the NOWPAP region using GIC. • National experts were nominated, and they are collecting information/data on the distribution of tidal flats and salt marshes in respective member states.
				<p>Q1-2021: (40%). National inputs have been collected.</p>
				<p>Q2-2021: (50%). A draft distribution map was developed in April. Then, it has been reviewed by the nominated experts of the member states.</p>
		<p>CEARAC</p>	<p>The anthropogenic pressures on these habitats assessed</p>	<p>Q2-2020: (0%) Not started.</p>
				<p>Q3-2020: (0%) Not started.</p>
				<p>Q4-2020: (0%) Not started.</p>
				<p>Q1-2021: (0%) Not started.</p>
				<p>Q2-2021: (0%) Not started.</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		CEARAC	A report prepared	Q2-2020: (0%) Not started.
				Q3-2020: (0%) Not started.
				Q4-2020: (0%) Not started.
				Q1-2021: (0%) Not started.
				Q2-2021: : (0%) Not started.
	Organization of a training course on Environmental DNA analysis	CEARAC	A NOWPAP common analytical manual for e-DNA developed	Q2-2020: (3%). English manual was developed with support of the eDNA Society, Japan. The manual will be shared with member states and is checked by experts nominated by CEARAC FPs for usability as NOWPAP manual soon.
				Q3-2020: No additional progress.
				Q4-2020: (100%). English manual for eDNA analysis was distributed to CEARAC FPs to be shared among relevant researchers.
				Q1-2021: (100%). Completed.
				Q2-2021: (100%). Completed.
		CEARAC	A training course on e-DNA analysis organized successfully	Q2-2020: Started. The training course was planned in March 2021. However, for safety organization of the training course without COVID-19 pandemic, it is expected to be organized in March 2022, if the member states agree on the new date.
				Q3-2020: (5%). CEARAC participated in a web-meeting with PICES for considering co-organization of the training course
Q4-2020: (15%). CEARAC introduced the planned eDNA training course at the MEQ meeting of PICES in October to explore co-organization chances, if possible.				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Because of COVID-19 pandemic, CEARAC proposed to organize the training course in spring 2022. CEARAC FPs approved it.
				Q1-2021: (15%). No additional progress.
				Q2-2021: (15%). No additional progress.
	Update of HAB database and HAB reference database	CEARAC	HAB Database and HAB Reference Database updated by adding the latest information on HAB occurrences in the member states	Q2-2020: (3%). CEARAC will collect latest information on HAB based on the rule of updating CEARAC's HAB databases, which was developed when CEARAC constructed HAB Integrated Website.
				Q3-2020: (7%). CEARAC continues collecting new information on HABs
				Q4-2020: (40%). Available data were collected. The experts of the member states will review and update it.
				Q1-2021: (45%). The data collected have still been reviewed by the experts.
				Q2-2021: (45%).No additional progress.
	Case studies of estimating seagrass blue carbon in selected sea areas in the NOWPAP region	CEARAC	Case studies for each selected sea areas to estimate seagrass blue carbon conducted	Q2-2020: (10%). <ul style="list-style-type: none"> • CEARAC is developing a website (mapseagrass.org) to guide use of cloud-based seagrass mapping tool. The website is planning to de launched in August 2020. • Implementation plan will be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially. Q3-2020: 20%. Website on mapping seagrass distribution (mapseagrass.org) to be open to the public.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q4-2020: (20%).</p> <ul style="list-style-type: none"> • A website (Mapseagrass.org) was opened to public with a tool, Seagrass Mapper, to map seagrass using Google Earth Engine. • Seagrass Trainer, a tool to access Seagrass Mapper from China was developed. • CEARAC prepared a draft MoU and contacted its FPs to nominate national experts and potential sea areas for conducting case studies.
		<p>Q1-2021: (35%). CEARAC contracted nominated national experts.</p>		
		<p>Q2-2021: (40%). Two English manuals of the web-based tool, Seagrass Mapper and Seagrass Trainer, were added to the website.</p>		
		CEARAC	An expert meeting on seagrass mapping organized successfully	<p>Q2-2020: (0%) Not started.</p>
		<p>Q3-2020: (5%). CEARAC is preparing documents on case studies. It is planned to ask CEARAC FPs to nominate experts to carry out the case studies (Q4).</p>		
		<p>Q4-2020: (10%). CEARAC is considering setting up an online expert meeting.</p>		
		<p>Q1-2021: (20%). Kick-off Meeting was organized (19 Feb 2021).</p>		
		<p>Q2-2021: (30%). The implementation plan was revised and it was decided that the planned expert meeting will be held virtually in Q4, 2021.</p>		

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		CEARAC	A booklet for seagrass conservation in the NOWPAP region published	Q2-2020: (0%) Not started.
				Q3-2020: (0%) Not started.
				Q4-2020: (0%) Not started.
				Q1-2021: (0%) Not started.
				Q2-2021: (0%). Not started.
	International Workshop on Key Indicator Species and Habitats for Marine Biodiversity Change in East Asia	APN-funded project, team members	Monitoring gaps for indicators species in national biodiversity monitoring systems and other relevant monitoring methods identified	Q2-2020: Not started. Activity postponed due to COVID-19 pandemic (on a requirement of the donor – APN).
				Q3-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN).
				Q4-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN).
				Q1-2021: (50%). RCU has discussed with the Jeju National University on 2 March and 16 March on the preparation of the International Workshop on Key Indicator Species which is sponsored by APN. It was proposed to organize the workshop online in October 2021. A preparatory meeting with the project collaborators will be organized on 14 April 2021 to discuss details for the workshop.
				Q2-2021: (55%). A preparatory meeting with the project collaborators was organized on 14 April 2021 to discuss details for the workshop. The Jeju National University further discussed with the APN Secretariat. It was suggested to further postpone the workshop due to the COVID-19 pandemic.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		APN-funded project, team members	Policy-relevant recommendations for NOWPAP member states developed	Q2-2020: Not started. Activity postponed due to COVID-19 pandemic (on a requirement of the donor – APN).
		Q3-2020: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN).		
		Q4-2020: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN).		
		Q1-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN).		
		Q2-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN).		
	Collect data and information on species filed in the Red Lists of NOWPAP Member States (Phase 3)	DINRAC	Information on Red List species (Phase 3) collected and available on DINRAC website	Q2-2020: Not started.
	Q3-2020: (30%). Early phase of the third stage. Data collection enters final assembly phase. Start drafting expert contracts for the next phase.			
		APN-funded project, team members	Proceedings prepared	Q2-2020: Not started. Activity postponed due to COVID-19 pandemic (on a requirement of the donor – APN).
		Q3-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN).		
		Q4-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN).		
Q1-2021: Not started. The workshop was proposed to be organised online in October 2021.				
Q2-2021: (0%). Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN).				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q4-2020: (40%). The collected forms have been compiled and updated in the DINRAC website with statistical layout.</p> <p>Q1-2021: (50%). The Red list has been compiled for the DINRAC website.</p> <p>Q2-2021: (60%). The Information has been compiled for the DINRAC Website.</p>
<p>4.1.2. NOWPAP Member States effectively address marine and coastal biodiversity conservation through planning and application of area-based management tools, including marine protected areas (MPAs) and Ecologically or Biologically Significant Marine Areas (EBSAs)</p>	<p>Contribute to the development of NOWPAP MPAs network through regional cooperation with the Yellow Sea LME Phase II project and with NEASPEC on NEAMPAN project led by the Russian Federation</p>	<p>NOWPAP Partners</p>	<p>Participation of NOWPAP experts in relevant activities results in improved marine biodiversity conservation measures</p>	<p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: (5%). NOWPAP and PEMSEA discussed the renewal of a long-standing cooperation agreement between the two organizations regarding sustainable development and management of marine and coastal environment. Representatives from both organizations explored cooperation in various fields in a bilateral teleconference on 15 September 2020. Specific attention was paid to further strengthening of cooperation in the field of capacity building in ICARM, as well as some other issues, e.g., marine litter and river inflow of plastics and marine protective areas.</p> <p>Q4-2020: (50%).</p> <ul style="list-style-type: none"> RCU was invited to attend the Session 5 of SEA of Solutions which was organized by COBSEA Secretariat on 26 November 2020. NOWPAP contributed to two side events, including an intervention on Science-Policy Dialogue in the Northwest Pacific region.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<ul style="list-style-type: none"> • NOWPAP presented its efforts in addressing marine litter in the first Incheon International Ocean Forum (IIOF). RCU congratulated the Yellow Sea Large Marine Ecosystem (YSLME) Project for its achievements in regional governance on protecting the marine environment in the 5th Interim YSLME Commission Council (ICC) meeting. <p>Q1-2021: (62.5%). On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021.</p> <p>Q2-2021: (75%).</p> <ul style="list-style-type: none"> • On 25 May, RCU attended the Webinar - User Consultations - Connect Stakeholder component of the GPML Digital Platform. • On 25 June, RCU attended the 5th UN Special Thematic Session on Water and Disasters. • On 28-29 June, RCU attended the Second pre-meeting to the Ministerial Conference on Marine Litter and Plastic Pollution.
4.1.3. The NOWPAP Member States adopt Regional Action Plan for Marine and Coastal Biodiversity Conservation	Develop the Regional Action Plan for Marine and Coastal Biodiversity Conservation (RAP	RCU & CEARAC	Draft RAP BIO prepared	Q2-2020: (5%). This activity was significantly delayed due to COVID-19 outbreak. RCU has developed ToR for an international consultant to lead this work and engaged with UNEP HQ to recruit a consultant. Mobilization of consultant is expected in July-Aug 2020.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	BIO) (CEARAC supported by RCU and other RACs)			<p>Q3-2020: (30%). The international consultant has been recruited and has already provided a number of deliverables as per his contract. The draft RAP BIO was prepared by the International Consultant, reviewed by RCU and CEARAC, and was circulated among nominated experts and RACs for comments.</p> <p>Q4-2020: (50%). NPEC concluded a new funding agreement with UNEP for completing unfinished tasks in the activity of RAP BIO development, in which unspent budget for 2018-2019 is used. The draft RAP BIO was prepared by the Consultant, in consultation with nominated experts and RCU. The draft was circulated for comments on 9 December 2020.</p> <p>Q1-2021: (70%). The nominated experts have provided their comments to the draft RAP BIO before 9 February 2021. Because the consensus could be not reached on a number of issues, RCU organized a virtual meeting on 30 March 2021 with the participation of nominated experts and RAC representatives. The document is under further revision and will be sent to the NOWPAP Focal Points for national consultations.</p> <p>Q2-2021: (80%). The draft RAP BIO was sent to the NOWPAP Focal Points for national consultations on 26 April 2021.</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
		RCU & CEARAC	The 2 nd and the 3 rd workshops on RAP BIO organized successfully	<p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: (0%) Not started. The 2nd workshop was cancelled due to the COVID-19.</p> <p>Q4-2020: (15%) The 2nd workshop was cancelled due to the COVID-19. It was decided to organize virtual meetings and sign MOUs with the nominated experts to complete the work.</p> <p>Q1-2021: (50%) RCU organized a virtual meeting on 30 March 2021 with participation of nominated experts and RAC representatives. The document is under further revision and will be sent to the NOWPAP Focal Points for national consultations.</p> <p>Q2-2021: (55%) The draft RAP BIO was sent to the NOWPAP Focal Points for national consultations on 26 April 2021.</p>

Strengthening regional cooperation through partnership building and resource mobilisation

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
<p>NOWPAP network of Regional Activity Centres is managed effectively and complemented by well-functioning multi-stakeholder partnerships</p>	<p>Implement and report on all IGM decisions, including project development and management and partnership building (RCU with RACs)</p>	<p>RCU</p>	<p>All IGM decisions are implemented</p>	<p>Q2-2020: (10%). Report on implementation of 23rd IGM has been included in the RCU report to the 24th IGM, however, due to COVID-19 pandemic the meeting has been postponed. PoW 2020-2021 was approved by the Member States on May 18. RCU is closely working with National FPs on options of the 24th IGM to be held in 2020.</p>
				<p>Q3-2020: (20%). RCU continued to work with RACs and support to the preparatory activities to kick-off the implementation of the NOWPAP PoW 2020-2021. All legal instruments have been concluded (Annex 2). RACs were guided and supported in their support to various partnerships, e.g., with GPML on the NOWPAP Regional Node on Marine Litter, PICES, PEMSEA, others. POMRAC was supported by RCU with recruiting nominated experts in support of the POMRAC PoW 2020-2021. A new modality has been agreed with POMRAC and being tested by RCU, when RCU provides support to POMRAC, since the modality used in the previous biennium (engagement of experts through DINRAC) showed a number of deficiencies, e.g., significant delays and difficulty of funds transfer.</p>
				<p>Q4-2020: (30%). RCU prepared the bridging SSFA for CEARAC to sort out the incomplete activity on RAP BIO. The hiring of consultants for POMRAC is ongoing.</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q1-2021: (40%) RCU is in the process to identify and hire international consultants to complete the tasks listed in the resolutions.
	NOWPAP tangibly contributing to global, regional, national and sub-national meetings and events increase visibility and attract new partners (RCU with RACs)	RCU	Existing partnerships are strengthened, and new ones established	Q2-2021: (50%). RCU is in the process to identify and hire international consultants to complete the tasks listed in the resolutions. ToR have been prepared and circulated amongst the Member States for comments.
				Q2-2020: (10%). <ul style="list-style-type: none"> • Existing partnerships strengthened. NOWPAP representatives directly contributed to a number of virtual meetings organized online due to COVID-19 pandemic. These included an Intergovernmental meeting of PEMSEA, a series of virtual meetings of the UNEP Regional Seas Programmes, etc. • RCU attended a virtual meeting on reducing marine plastic pollution and enhance cooperation in the East Asian region. The meeting was organised by the Foreign Environmental Cooperation Centre (FECO) of the Ministry of Ecology and Environment of China on June 24, 2020. • NOWPAP was invited to introduce the experience in hosting the Regional Node of Global Partnership on Marine Litter in technical consultation of the Working Group in East Asia which was organised by the Coordinating Body on the Seas of East Asia (COBSEA) on 23-25 June 2020.
Q3-2020: (20%). NOWPAP further explored the possibilities of cooperation with the East Asian countries in the field of marine environmental protection at the 12 th East Asian Seas (EAS)				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Partnership Council virtual Meeting on July 22, 2020. As an invited long-term partner, NOWPAP used this opportunity to highlight its enthusiasm for establishing further synergies with PEMSEA in marine environmental protection.</p> <ul style="list-style-type: none"> • NOWPAP and the Partnerships in the Environmental Management for the Seas of East Asia (PEMSEA) discussed the renewal of a long-standing cooperation agreement between the two organizations regarding sustainable development and management of marine and coastal environment. Representatives from both organizations explored cooperation in various fields in a bilateral teleconference on 15 September 2020. • NOWPAP participated as an observer in a virtual meeting of the North Pacific Marine Science Organization (PICES) Marine Environmental Quality Committee (MEQ) on September 23, 2020. The meeting reviewed the progress of MEQ, discussed high priority items to be reported to the PICES Science Board, and new topics and directions for MEQ development. <p>Q4-2020: (40%).</p> <ul style="list-style-type: none"> • RCU was invited to attend the Session 5 of SEA of Solutions which was organized by COBSEA Secretariat on 26 November 2020. • RCU presented its efforts in addressing marine litter in the first Incheon International Ocean Forum (IIOF) which was held on 19-20 November 2020.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<ul style="list-style-type: none"> • RCU congratulated the Yellow Sea Large Marine Ecosystem (YSLME) Project for its achievements in regional governance on protecting the marine environment in the 5th Interim YSLME Commission Council (ICC) meeting which was held on 19 October 2020 virtually. • On October 9, 2020, RCU attended a virtual global workshop was organised by the Institute for Advanced Sustainability Studies (IASS) located in Potsdam, Germany. <hr/> <p>Q1-2021: (60%).</p> <ul style="list-style-type: none"> • On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021. • On 22 March, RCU was invited to attend the meeting on synergies between Regional Seas and GPML digital platform. • On 2 March 2021, RCU was invited to attend the Joint Meeting with IMO on Sharing the Best Practices for Implementation, Compliance and Enforcement related to Dumping Protocol. • On 25 February 2021, governmental officials from Chungcheongnam-do, Republic of Korea, visited the RCU in Busan, Korea, exploring the possibilities of cooperation with NOWPAP in addressing marine litter. • On 5 February 2021, RCU was invited to present its activities in the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research (APN).

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q2-2021: (80%).</p> <ul style="list-style-type: none"> • On 25 May, RCU attended the Webinar - User Consultations - Connect Stakeholder component of the GPML Digital Platform • On 25 June, RCU 5th UN Special Thematic Session on Water and Disasters • On 28-29 June, RCU attended the Second pre-meeting to the Ministerial Conference on Marine Litter and Plastic Pollution • NOWPAP Regional Coordinator was invited by the Toyama City Administration to deliver a lecture on NOWPAP within activities of the Toyama City International Department
		RCU	Records of partnership building provided at each IGM	<p>Q2-2020: (5%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting.</p>
				<p>Q3-2020: (10%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs.</p>
<p>Q4-2020: (30%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs.</p>				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q1-2021: (50%).</p> <p>On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021.</p> <p>On 22 March, RCU was invited to attend the meeting on synergies between Regional Seas and GPML digital platform.</p> <p>On 2 March 2021, RCU was invited to attend the Joint Meeting with IMO on Sharing the Best Practices for Implementation, Compliance and Enforcement related to Dumping Protocol.</p> <p>On 25 February 2021, governmental officials from Chungcheongnam-do, Republic of Korea, visited the RCU in Busan, Korea, exploring the possibilities of cooperation with NOWPAP in addressing marine litter.</p> <p>On 5 February 2021, RCU was invited to present its activities in the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research (APN).</p> <p>Q2-2021: (70%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs (also - see item above).</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Maintain effective and regular dialogue, information exchange and communication between RCU and RACs and between RACs themselves (RCU)	RCU	Record of NOWPAP increasing visibility at face-to-face meetings and in media reported at IGMs	Q2-2020: Ongoing. (5%). RCU is closely engaged with all RACs on administrative and technical matters of PoW 2020-2021 implementation.
				Q3-2020: Ongoing. (10%). RCU is closely engaged with all RACs on administrative and technical matters of PoW 2020-2021 implementation. Regular communications with RACs ensure successful start of a number of activities. Web-stories published on NOWPAP website provide highlights and contain more details on these for wider public.
				Q4-2020: Ongoing. (25%). Web-stories published on NOWPAP website provide highlights and contain more details on these for wider public.
				Q1-2021: Ongoing. (40%). Records of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides, a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs.
				Q2-2021: (60%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs (also - see two items above).
Increasing number of joint activities among RACs (RCU supported by RACs)		RCU	Number and quality of joint activities between RACs	Q2-2020: Not Started.
				Q3-2020: (5%). Participants from RACs participated in virtual meetings organised by NOWPAP. Joint activities are limited due to COVID-19 pandemic.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q4-2020: (15%). Review of revised RAP MALI; Review of RAP BIO.</p> <p>Q1-2021: (30%). Review of revised RAP MALI; Review of RAP BIO.</p> <p>Q2-2021: (70%). Web-stories published on NOWPAP website provide highlights and contain more details on these for wider public. Review of revised RAP MALI; Review the concept note of the special project on key indicator species</p>
Strengthened regional capacity on data and information share	Reports of the 18 th and 19 th NOWPAP DINRAC Focal Point Meeting prepared	DINRAC	Report of the 18 th Northwest Pacific Data Centre Focal Points Meeting	Q2-2020: Not Started. Q3-2020: Design meeting schedule Start drafting meeting documents. (30%).
				Q4-2020: (40%). DINRAC Secretariat has compiled the Working Documents for the 18 th DINRAC Focal Points Meeting, the meeting to be held on Jan 14 th , 2021.
				Q1-2021: (50%). The 18 th DINRAC FPM has been successfully held online, Jan 14, 2021, due to the COVID-19 pandemic.
				Q2-2021: (100%). The Meeting report has been compiled.
		DINRAC	Report of the 19 th Northwest Pacific Data Centre Focal Points Meeting	Q2-2020: Not Started.
				Q3-2020: Not Started.
				Q4-2020: (10%). The 19 th DINRAC FPM has been discussed and planned to be held in December 2021.
				Q1-2021: (15%). Based on the discussion from the 18 th DINRAC FPM, the 19 th DINRAC FPM was proposed to be held before the end of 2021.
Q2-2021: (30%). The 19 th DINRAC FPM was proposed to be held in the beginning of October.2021.				

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Implement the project plan reported and adopted by the Data Centre Focal Points Meeting	DINRAC	Implement project plan	<p>Q2-2020: Not Started.</p> <p>Q3-2020: (35%). MED activities, wildlife protection activities, expert meetings and other activities Implement project plan have been completed.</p> <p>Q4-2020: (45%). The implementation plan of MED, Endangered species, Experts Meeting has been compiled as the Working document for DINRAC 18th FPM.</p> <p>Q1-2021: (50%). The further implementation plan on MED, Endangered species, Experts Meeting has been discussed on the 18th DINRAC FPM.</p> <p>Q2-2021: (70%). Signed the MED and is collecting data on Red List species.</p>
Improved cooperation among NOWPAP experts	Preparation of expert meeting report of 18 th and 19 th Northwest Pacific Data Centre Focal Points Meeting;	DINRAC	Meeting Report for the expert meeting with 18 th NOWPAP DINRAC FPM	Q2-2020: Not Started. Q3-2020: (20%). Design meeting schedule. Start drafting meeting documents.
				Q4-2020: (35%). The Meeting report will be compiled in Jan 2021 after the 18 th FPM. The draft has been finished and sent to DINRAC all FPs for comments and feedback.
				Q1-2021: (100%). The Meeting report has been compiled.
				Q2-2021: (100%) The Meeting report has been compiled.
		DINRAC	Meeting Report for the expert meeting with 19 th NOWPAP DINRAC FPM	Q2-2020: Not Started. Q3-2020: Not Started.
				Q4-2020: (5%). The Meeting report will be compiled in Jan 2021 after the 18 th FPM.
				Q1-2021: (10%). The 19 th DINRAC FPM was designed.
				Q2-2021: (50%). The meeting documents for 19 th DINRAC FPM have been prepared.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Implement RAC work plans within budgets and in accordance with agreed milestones (RACs)	RCU	All RAC projects are being executed on time and with high quality outcomes	Q2-2020: (5%). Constant effort of RCU is put into coordinating and supporting RACs in implementing the agreed PoW. In Q2-2020 was the key achievements included the development of legal instruments with all RACs, drafting ToRs for consultants (RAP-BIO, POMRAC, etc.), engaging with UNEP HQs to operationalize the 2020-2021 budget, etc.
				Q3-2020: (15%). Constant effort of RCU is put into coordinating and supporting RACs in implementing PoW. In Q2-2020 this effort included the development of agreements between UNEP and RACs, drafting ToRs for consultants (RAP-BIO, POMRAC, Communication Strategy Review, Promotional videos review, etc.), the 2020-2021 budget has been operationalized, other activities.
				Q4-2020: (25%). Ongoing RCU continued close cooperation with RACs on a number of activities to ensure the delivery of high-quality outcomes. Legal instruments with all RACs have been completed, including a bridging SSFA with CEARAC for the unspent funds in 2018-2019.
				Q1-2021: Ongoing (35%). RCU continued close cooperation with RACs on a number of activities to ensure the delivery of high-quality outcomes.
				Q2-2021: (45%) The SSFA for MERRAC QNL 2021 was signed on 30 June 2021.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
Promote regional marine environmental cooperation	Publish newsletters, enhanced cooperation with international partners	DINRAC	4 NOWPAP DINRAC Newsletters	Q2-2020: (20%). Preparing newsletters for the Q2-2020
				Q3-2020: Preparing newsletters for the Third quarter (35%). Newsletters are available at http://114.251.10.142:4080/sco/dinrac/publication.jsp .
				Q4-2020: 45%. Three Quarterly DINRAC newsletters has been updated, for Q4-2020 has been compiled accordingly.
				Q1-2021: (62.5%). Q1-2021 DINRAC Newsletter has been compiling.
				Q2-2021: (75%) Q2-2021 DINRAC Newsletter drafting is in progress.
	Organize efficiently CEARAC Focal Points and relevant expert meetings	CEARAC	Progress reviewed and meeting recommendations implemented	Q2-2020: (5%). Postponed until COVID-19 outbreak is under control. Discussions take place with FPs on modality to approve an Implementation Plan for PoW 2020-2021.
				Q3-2020: (10%). Instead of an in-person meeting, CEARAC FPs reviewed, and approved implementation plans of CEARAC activities for 2020-2021 through e-mail communication in August. Following the approval, CEARAC stated its planned activities 2020-2021 officially.
				Q4-2021: (10%). No progress in Q4-2021.
				Q1-2021: (20%). Ongoing in Q1-2021.
				Q2-2021: (30%). It was decided to organise the 18 th FPM on 24-25 August virtually. Meeting documents are being prepared.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Organize efficiently DINRAC Focal Points and relevant expert meetings	DINRAC	Progress reviewed and meeting recommendations implemented	Q2-2020: Not Started. Q3-2020: Not Started.
				Q4-2020: (15%). The Progress/Final Reports will be discussed at 18 th DINRAC Focal Points Meeting to be finished in Jan 2021.
				Q1-2021: (25%). The Progress/Final Reports have been discussed at the virtual 18 th DINRAC Focal Points Meeting.
				Q2-2021: (50%) The 18 th DINRAC FPM has been successfully held online, Jan 14, 2021.
		DINRAC	DINRAC new directions identified	Q2-2020: Not Started. Q3-2020: Not Started.
				Q4-2020: (15%). The topic will be discussed at the 18 th DINRAC FPM (The Working Document related has been discussed at the Meeting).
				Q1-2021: (25%). The Brainstorming Workshop for DINRAC direction has been held back-to-back with DINRAC 18 th Focal Points Meeting.
				Q2-2021: (50%). The direction document has been drafted connected with the meeting documents for the 19 th DINRAC Focal Points Meeting.
	Organize efficiently MERRAC Focal Points meetings	MERRAC	Implementation of the RCP discussed	Q2-2020: (25%). The 23 rd MERRAC FPM were delayed based on consultation with Member States, and the major agenda will be discussed by email communication in August 2020. Uploading the meeting documents including the contents of the NOWPAP RCP at the website.
				Q3-2020: (25%). No progress in Q3-2020

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				Q4-2020: (35%). The major agenda of the 23 rd MERRAC FPM was discussed by email communication from 30 July to 16 October. The report of the e-mail discussion for the 23 rd MERRAC Focal Points Meeting, and 15 th Competent National Authorities was published and uploaded on
		MERRAC website, and the hard copies of the report were distributed to the relevant organization such as UNEP, IMO, etc.		
		Q1-2021: (45%). The 23 rd MERRAC FPM and 15 th CNA Meeting were decided to be held remotely on 7 and 8 July 2021. The annotated provisional agenda was developed and circulated to Focal Points, and participants for the meetings were investigated.		
		Q2-2021: (60%). The 23 rd MERRAC FPM and 15 th CNA Meeting were prepared to be held remotely using Webex platform. The information and documents of the meetings were submitted by NOWPAP Member states.		
		MERRAC	Relevant information on oil and HNS spill preparedness and response in the region exchanged	Q2-2020: (25%). Uploading the meeting documents including the information of the oil and HNS incidents at the website
		Q3-2020: (25%). No additional progress.		
		Q4-2020: (35%). Uploaded articles related to oil and HNS spill and schedules of the relevant organisation on the website.		
		Q1-2021: (50%). Uploading of articles related to oil and HNS spill on the MERRAC website continued.		
		Q2-2021: (65%). Uploading of articles related to oil and HNS spill on the MERRAC website continued.		

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Organize efficiently POMRAC Focal Points meetings	POMRAC	Progress reviewed and meeting recommendations implemented	<p>Q2-2020: Not Started. Postponed due to COVID-19 pandemic. POMRAC Secretariat is working on alternative modality – a virtual online meeting.</p> <p>Q3-2020: (10%). Documentation for the meeting has been prepared for uploading, a virtual meeting is planned for Nov-Dec 2020</p> <p>Q4-2020: (20%). 17th POMRAC FPM was held on-line in October 2020.</p> <p>Q1-2021: (40%). 18th POMRAC FPM will be held in October 2021.</p> <p>Q2-2021: (50 %). Preparation of preliminary materials for the 18th POMRAC FPM meeting started (Program).</p>
NOWPAP Trust Funds are managed efficiently and effectively through improved administrative, financial and human resources management	<ul style="list-style-type: none"> - Provide quality support to RACs for financial and administrative operations (RCU) - Ensure quality and timeliness of procuring goods and services - Efficiently organize and provide logistical support to hosting countries for NOWPAP IGMs - Revise NOWPAP monitoring and evaluation processes, including the development and monitoring of the MTS 	RCU	<ul style="list-style-type: none"> - Financial transactions and administrative services provided and recorded in accordance with UN rules and regulations - Timely processing of cash advances and accurate recording of RAC expenditures by RCU and UNEP HQ <p>Timely and efficient processing of contracts, procurement and other relevant services</p>	<p>Q2-2020: Ongoing (12%):</p> <ul style="list-style-type: none"> • RCU regularly attends the Ecosystems Integration Branch meetings and meetings of the Ecosystems Division's Division Leadership Team (DLT). • RCU attended the Review meeting of the Regional Seas Global Outlook Report on 30 June 2020. • Updated the list of resource mobilization opportunities in Japan • Preparing NOWPAP panels with photos and introductory notes • Consulting with local governments on possible collaboration works in fiscal year 2020 • NOWPAP budget was allocated in UMOJA in accordance with the IGM approval

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	2018-2023 Results Planning and Performance Reporting Framework (RPPRF) <ul style="list-style-type: none"> - Internal NOWPAP audit - Review of Special Projects 			<ul style="list-style-type: none"> • Invoices for 2020 contribution from NOWPAP member states for 40PNL (Trust Fund) were issued • Invoice for 2020 contribution from Japan for 32 QNL (support of RCU Toyama Office) was issued • Invoice for 2020 contribution from Korea for 32 QNL (support of RCU Busan Office) in process • Contract with Korean Coast Guard for support of MERRAC was signed and started • Contracts with CEARAC, MERRAC for 2020-2021 NOWPAP PoW were signed and started • Contract with POMRAC for 2020-2021 NOWPAP PoW was approved, and in process for signatures • Contract with DINRAC for 2020-2021 NOWPAP PoW is in process of issuance <hr/> Q3-2020: Ongoing (25%). <ul style="list-style-type: none"> • Closing pending SSFA of CEARAC for 2018-2019, processed • 2020 contributions from NOWPAP Member States are being followed up by Nairobi. • Financial reports to Member States on QNL have been provided as requested.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q4-2020: (45%).</p> <ul style="list-style-type: none"> • China's contribution to NOWPAP PoW (40PNL for 2020) was recognized on 26 October 2020. With this payment, all of four Member States of NOWPAP completed the 2020 contribution to 40PNL at USD 125,000. • Preparation for recruitment of UN Consultants for POMRAC has been initiated: registering experts in the system, preparing Terms of Reference, etc. <p>Q1-2021: (55%). - Contributions from Member States 2021 approved by 3rd Extraordinary IGM are being processed, invoices for the Member States have been requested (Russia, Korea). An overview of the current status of contributions of the Member States is presented in Annx 5.</p> <ul style="list-style-type: none"> - SSFAs are being developed to support the operation of the NOWPAP Regional Node of the Global Partnership on Marine Litter (GPML) - A bridging SSFA for CEARAC has been finalized to ensure completion of activities or PoW 2018-2019 due to the expiry of SSFA 2018-2019. - An overview and status of PCAs/SSFAs is presented in Annex 2. <p>Q2-2021: (75%).</p> <ul style="list-style-type: none"> • Contributions from Member States 2021 (see Annex 5) • Status of Legal Instruments (see Annex 2) • Status of Contracting of consultants to support POMRAC activities (see Annex 6)

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
<p>NOWPAP communications, public advocacy and digital engagement products better inform, influence and mobilize stakeholders and resources for the protection of marine and coastal environment</p>	<p>Produce information and outreach materials increasing NOWPAP visibility (RCU supported by RACs)</p>	<p>RCU supported by RACs</p>	<p>Number and quality of NOWPAP public outreach materials reported to each IGM</p>	<p>Q2-2020: Ongoing. Scripts for NOWPAP promotional videos in English sent to RACs for comments. Three web stories were posted on NOWPAP website. NOWPAP newsletter for 2020 Q2 was prepared. (10%).</p>
				<p>Q3-2020: Ongoing. (20%). Major highlights are presented in web stories. Five web stories were published. https://www.unenvironment.org/nowpap/news-and-stories Newsletter for the second quarter 2020 published. https://www.unenvironment.org/nowpap/resources/nowpap-quarterly/nowpap-quarterly-2019-q2 . Preparation of the newsletter for the third quarter 2020 is ongoing.</p>
				<p>Q4-2020: 45%. ToR for revision of the promotional videos have been completed, international consultant to revise the Communication Strategy and Videos has been identified. Contracting is ongoing. Major highlights are presented in web stories. Five web stories were published. https://www.unenvironment.org/nowpap/news-and-stories</p>
				<p>Newsletter for the third quarter 2020 published. https://www.unenvironment.org/nowpap/resources/nowpap-quarterly/nowpap-quarterly-2020-q3</p>
				<p>Q1-2021 (65%):</p> <ul style="list-style-type: none"> • An international consultant has been selected to revise the NOWPAP Communication Strategy and scripts of the promotional videos, contracting started • Seven web stories were prepared.

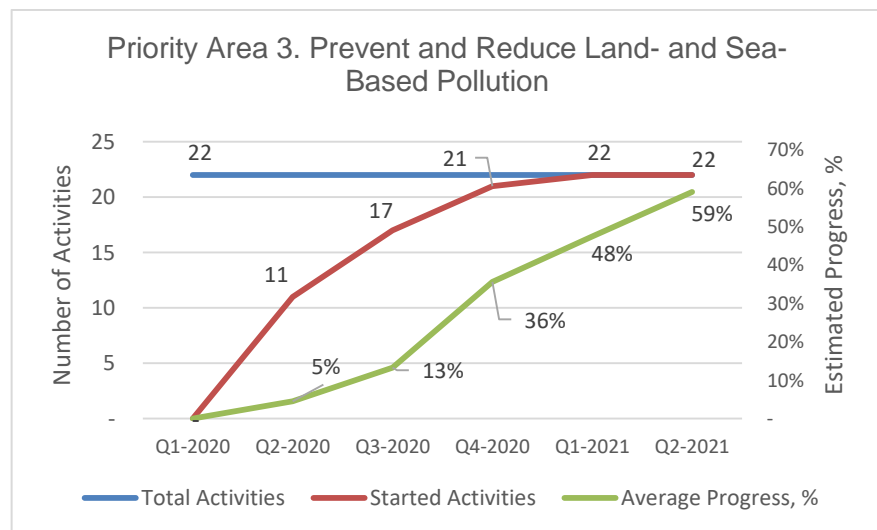
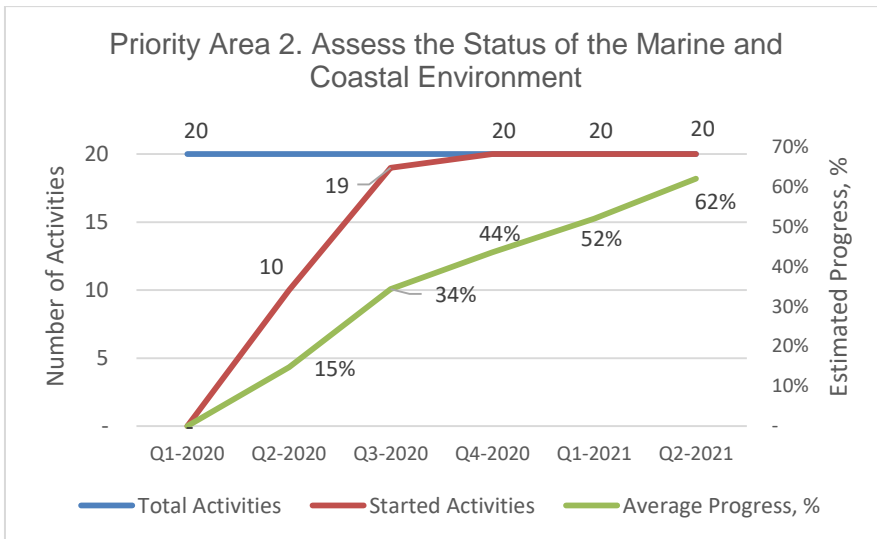
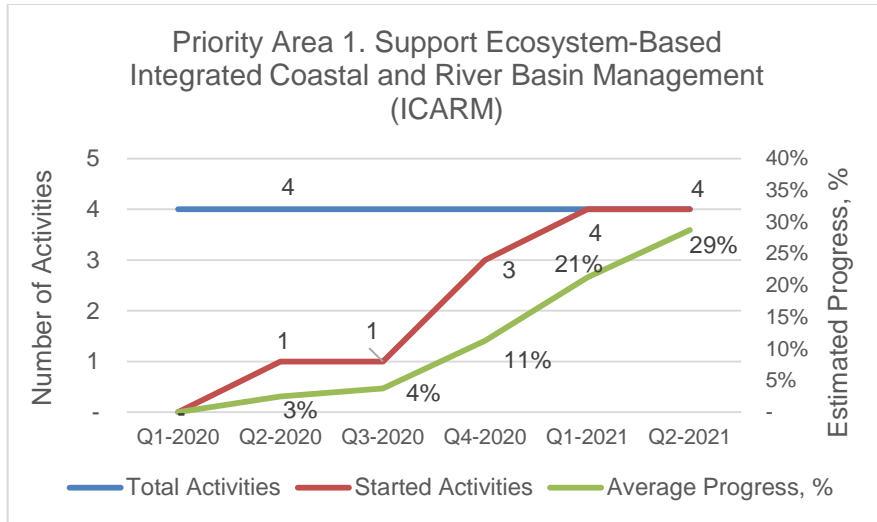
Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q2-2021: (80%).</p> <ul style="list-style-type: none"> • A contract for the international consultant to revise the NOWPAP Communication Strategy and scripts of the promotional videos is being processed by UNEP HQ, the contract will be issued in early Q3-2021 • ToR for an international consultant on a Mid-Term Review and the development of a Monitoring and Evaluation Framework have been developed and circulated among the Member States for comments, no feedback from the Member States received yet • ToR for an institutional analysis of NOWPAP with focus on RACs have been developed and circulated among the Member States for comments, two Member States provided feedback. • Three web stories were prepared • Newsletter for the first quarter 2021 published. <p>https://www.unep.org/nowpap/resources/nowpap-quarterly/nowpap-quarterly-2021-q1</p>
		RCU	Regularly updated and renewed NOWPAP corporate website	Q2-2020: (12%). NOWPAP website is regularly updated.
				Q3-2020: (25%). NOWPAP website is regularly updated.
				Q4-2020: (35%). NOWPAP website is regularly updated.
				Q1-2021: (50%). NOWPAP website is regularly updated.
		Q2-2021: (65%).NOWPAP website is regularly updated.		

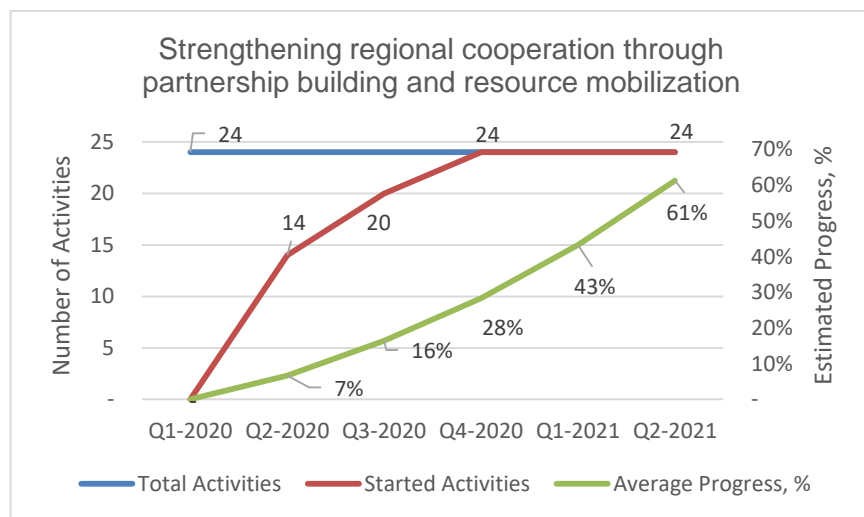
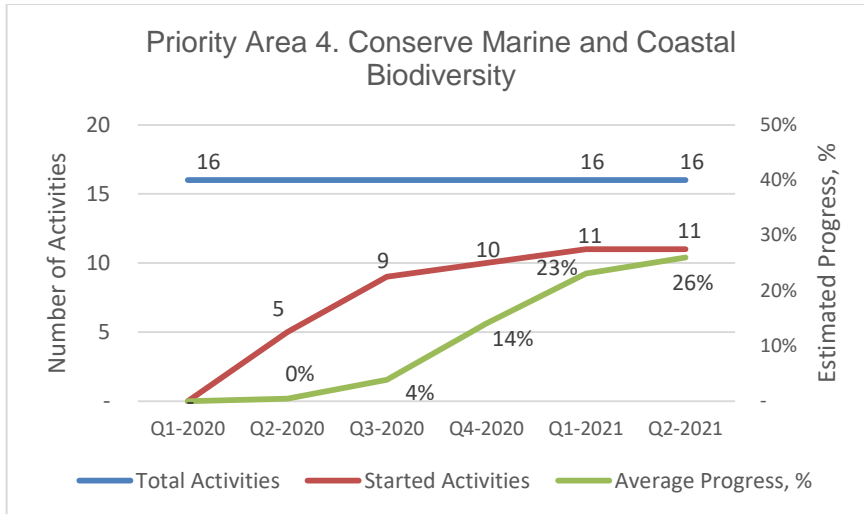
Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
	Upgrade and regularly update RAC websites (RACs)	RACs	Regularly updated and renewed RACs websites	Q2-2020: (12%). Ongoing. All websites are regularly updated.
				Q3-2020: (25%). All websites are regularly updated.
				Q4-2020: (45%). All websites are regularly updated. Annual CEARAC newsletter (English and Japanese) for 2020 was posted on its website in December 2020.
				Q1-2021: Ongoing (55%). Websites are regularly updated.
	Q2-2021: (65%). Websites are regularly updated.			
	Completion of NOWPAP Communication Strategy and its implementation	RCU	Communication Strategy completed and consulted with Member States	Q2-2020: Not Started. 0%.
				Q3-2020: (10%). The ToR for hiring an international consultant was developed and circulated to the Member States for commenting. Feedback duly received. Recruitment process to start in Q4 2020.
				Q4-2020: (15%). Communication Strategy is being revised. The process is led by RCU. ToR for the revision of the Communication Strategy and revision of the NOWPAP Promotional Videos have been prepared. Two individual consultants were identified for the revision of the Communication Strategy and scripts of the videos (one contract) and production of the videos (second contract). The process of finalisation of this work has been developed by RCU and will be presented at the 3 rd Extraordinary IGM in January 2021.

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>Q1-2021: (25%). An international consultant has been selected to revise the NOWPAP Communication Strategy and scripts of the promotional videos. Contracting is in process.</p> <p>Q2-2021: (30%). Contracting is in process, all required documents have been collected and submitted to UNEP HQs. A shopping cart and PO have been created. The contract will be issued in early Q3-2021.</p>
	<p>External capacity and financial resources are mobilized for the implementation of NOWPAP activities</p>	<p>RCU</p>	<ul style="list-style-type: none"> - Maintain existing and find new partners and donors (RCU supported by RACs) - Prepare and secure funding for NOWPAP special projects and initiatives - Increase consistently amount of mobilized external human and financial resources (RCU and RACs) - Maintain a regular internship program (RCU) - Review of Special Project 	<p>Q2-2020: Started. Additional resources are expected to be mobilized through CEARAC-led research Project to be funded by the GEO-Google Earth Engine Programme the Project team also includes representatives from the Nagoya University, NPEC, the Japan Aerospace Exploration Agency, GOOGLE, Limited Liability Company (LLC), UNEP GPA, NOWPAP RCU, and the Japan Association for the UNEP. (5%)</p> <p>Q3-2020: (20%). UNEP HQs informed that they would fund the marine litter related proposals submitted by NOWPAP. In addition, substantial funding is expected by GPA for the Regional ML Node operation. The funds are coming from a contribution of UNEP Member States on GPML support. The final amount is not yet clear. Mechanisms how to make the funding available to NOWPAP are being discussed with GPML Secretariat.</p> <p>Q4-2020: 20%. Three interns-graduates from the Tokyo University were engaged with CEARAC in the preparation, organization and preparing a detailed report on the NOWPAP-TEMM Joint Workshop and RAP MALI Focal Points meeting on 2-3 December 2020. The interns provided effective support to the meeting. A request has</p>

Outcomes / Expected Accomplishments	2020-21 PoW Activities	Responsible NOWPAP Body	2020-21 PoW Outputs / Performance indicators	Progress Summary (% of completion)
				<p>been submitted to UNEP HQ on the involvement of a JPO to NOWPAP. The application has been submitted to Nairobi for the inclusion in the corporate announcement of UNEP Member States.</p> <p>Q1-2021: (40%). GPA Secretariat approved US\$60,000 to support the marine litter activities of the Regional Node on Marine Litter of GPML.</p> <p>Q2-2021: (50%). Three SSFAs were signed with DINRAC, POMRAC and OSEAN respectively. The first installments were paid to DINRAC and OSEAN.</p>

Annex 2. Detailed Report on Progress of Priority Areas in 2020-2021





Annex 3. Detailed Presentation of Implementation of Resolutions of the 3rd Extraordinary IGM

Table 7 Report on Implementation of Resolutions of 3rd Extraordinary IGM as of **June 30, 2021**

#	Resolution. Item	Final Output	Implementation plan		Progress, %	Status
			Deliverable	Deadline		
1	Res 1.3	Contribution of Member States to NOWPAP Trust Fund and Grants paid	Records of recognized contributions by UNEP	Dec 2021	10%	Q1-2021: QNL Korea to Support MERRAC in 2021 – completed. No progress on other contributions.
					32%	Q2-2021: Amounts confirmed for Russia and Japan, Contribution of Russia is paid to NOWPAP. See Annex 5 for details.
2	Res 1.5	An overview of financial status of NOWPAP Trust Fund (40PNL)		Q4-2021	Not Started	Q1-2021: Not started.
					0%	Q2-2021: No progress in Q2-2021.
3	Res 1.6	Consultations with Member States prior to engagements on additional resource mobilization activities	Records of consultations	Ongoing	Ongoing	Q1-2021: Not started.
						Q2-2021: No progress in Q2-2021.
4	Res 2.2	Design of additional activities to support Priority Area 1 of NOWPAP MTS 2018-2023 “Support Ecosystem-Based ICARM”	Activities on ICARM in PoW 2022-2023	Dec 2021	Not Started	Q1-2021: Not started.
						Q2-2021: No progress in Q2-2021.
5	Res 2.3	Introduction of innovative ways and methods of working	Records on individual activities	Ongoing	25%	Q1-2021: Specific reference could be made to the organization of a number of meeting virtually. During Q1-2021 the following meetings were held virtually: 3 rd Extraordinary IGM, consultations on special project on

#	Resolution. Item	Final Output	Implementation plan		Progress, %	Status
			Deliverable	Deadline		
						marine biodiversity, consultations on CEARAC project on the upscaling of NEAT using Google Earth Engine, consultative meeting with RACs and experts on RAP-BIO, a number of other technical meetings.
					50%	Q2-2021: This worked successfully continued in Q2-2021. A series of technical and working meetings took place, including participation in several training events organised by UNEP in light of introduction of new corporate systems (UMOJA2, IMDR, etc.)
6	Res 2.5	Regular (quarterly) update of the NOWPAP Member States on progress of implementation of PoW 2020-2021	Quarterly Report	Each quarter starting Q2-2020	50%	Q1-2021: Four reports were provided to the Member States, notably: A baseline report for the period Jan-May 2020, and three full-fledged Quarterly reports (Q2-2020, Q3-2020, Q4-2020).
					62.5%	Q1-2021: An additional Quarterly Report to Member States for Q1-2021 was provided on April 30, 2021.
7	Res 3.2	Finalized RAP BIO submitted to 24 th IGM	RAP BIO	Q4-2021	60%	Q1-2021: Consultant was deployed to address comments of the member states on the previous version of RAP BIO, a road map for the development of RAP BIO approved in PoW 2020-2021. Draft RAP BIO submitted by the consultant, commented on by RACs and

#	Resolution. Item	Final Output	Implementation plan		Progress, %	Status
			Deliverable	Deadline		
						Member States, the first consultative meeting of Member States representatives and RACs was organised on Mar 30, 2021. Recording of the meeting was sent to the consultant to update RAP BIO accordingly.
					60%	Q2-2021: No progress in Q2. The document is still being considered by the Member States
8	Res 4.2	Completed special project proposal "Monitoring and Assessment Methods for Microplastics Pollution"	Project Proposal	Mar 2022	20%	Q1-2021: Project is ongoing. Funds have been transferred from UNEP to CRAES. Regular reporting and funds requests are provided by CRAES (see Annex 2)
					30%	Q2-2021: Project is ongoing smoothly. No additional issues in Q2-2021.
9	Res 4.3	Additional Financial resources agreed for special project "Monitoring and Assessment Methods for Microplastics Pollution"	Formalized agreements	Mar 2022	Not Started	Q1-2021: Not started.
					0%	Q2-2021: No progress in Q2-2021.
10	Res 4.4	Detailed background information and analysis on the delay of the project "Identification of Key Indicator Species and Ecosystems of Biodiversity Change in the NOWPAP Region"	Report	Q4-2021	Not Started	Q1-2021: Not started.
					10%	Q2-2021: A summary of the background information has been prepared and included in a Concept of this Special Project being reviewed by the Member States.

#	Resolution. Item	Final Output	Implementation plan		Progress, %	Status
			Deliverable	Deadline		
11	Res 4.7	A scoping paper on Special Projects	Lessons learned during the development of the Special Projects	Q4-2021	Not Started	Q1-2021: Not started.
			Recommendations to improve the operational procedure and a business method	Q4-2021	Not Started	Q1-2021: Not started.
			A manual with Guidelines on preparing NOWPAP special projects	Q4-2021	Not Started	Q1-2021: Not started.
12	Res 5.2	NOWPAP Communication and Outreach Strategy, including Promotional Videos	Consultant contract	May 2021	10%	Q1-2021: Consultant selected. Contracting is ongoing.
				June 2021	15%	Q2-2021: Contract is being finalised.
			Draft NOWPAP Communication and Outreach Strategy	Q4-2021		Q1-2021: Not started.
			Scripts for Promotional Videos	Aug 2021		Q1-2021: Not started.
			Consultant contract	Aug 2021		Q1-2021: Not started.
			Promotional Videos	Q4-2021		Q1-2021: Not started.
13	Res 6.1	Monitoring and Evaluation Framework of NOWPAP MTS 2018-2023	ToR for Monitoring and Evaluation Framework	Apr 2021	Not Started	Q1-2021: Not started.
				June 2021	5%	Q2-2021: ToR prepared and being considered by the Member States.
			Consultant contract	May 2021		Q1-2021: Not started.
			Draft Monitoring and Evaluation Framework of NOWPAP MTS 2018-2023	Q4-2021		Q1-2021: Not started.

#	Resolution. Item	Final Output	Implementation plan		Progress, %	Status
			Deliverable	Deadline		
14	Res 6.2	A concept paper on a Mid-Term Review of the implementation of the NOWPAP MTS 2018-2023	ToR for MTR based on UNEP/GEF Guidelines	Sept 2021	Not Started	Q1-2021: Not started.
15	Res 7.1	Technical support by RCU to the 24 th IGM	Meeting organized virtually	Q4-2021	Not Started	Q1-2021: Not started.
16	Res 7.3	A positioning paper on institutional analysis of NOWPAP and operation of individual RACs	ToR for institutional analysis	May 2021	Not Started	Q1-2021: Not started.
				June 2021		5%
			Consultant contract	July 2021		Q1-2021: Not started.
			An assessment of the <i>modus operandi</i> of NOWPAP RACs and the collaboration between RCU and RACs	Aug 2021		Q1-2021: Not started.
			Recommendations how to how to improve the overall operation of NOWPAP and operation of individual RACs	Sept 2021		Q1-2021: Not started.
			Re-prioritization of mandates including possible options for discussions and timetable to address this issue	Oct 2021		Q1-2021: Not started.
			Draft Positioning paper for discussion at 24 th IGM	Q4-2021		Q1-2021: Not started.

#	Resolution. Item	Final Output	Implementation plan		Progress, %	Status
			Deliverable	Deadline		
17	Res 7.4	A Concept Note of a NOWPAP Award	Draft Concept Note of a NOWPAP Award	Q4 March 2021	Not Started	Q1-2021: Not started.
				June 2021		

